CORDIVARI®

RADIATORS
TOWEL RAILS

2019

Cordivari company has a proven industrial tradition and is now one of the most important manufacturers in the heating and plumbing industry in Italy.

Founded in 1972 by Ercole Cordivari, the company is producing calorifiers & buffer tanks, solar thermal systems, compressed air receivers, design radiators, chimney pipes and food containers. Cordivari plants are situated on an area of 290.000 square meters and employs more than 500 employees.

Thanks to its development strategies, all to new technologies and to the training of new human focused resources, Cordivari is equipped with modern structures and advanced production processes. All the products are designed and produced in Italy and the technological, ergonomic and ecological choices allow to work respecting the humans and its environment. UNI EN ISO 14001 environment managing systems and UNI EN ISO 9001 Quality system are perfectly integrated to grant and ensure company's main goals and values.

The highly qualified management, the constant research for innovative solutions and the extremely customer-oriented company policy, stands for the leading market position and the exclusive know-how in the field of integrated heating systems, that the Cordivari group has acquired. All this is the result of a continuous commitment to achieve Customer Satisfaction.



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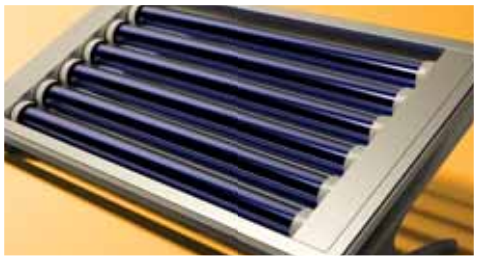
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#solu









#solutions

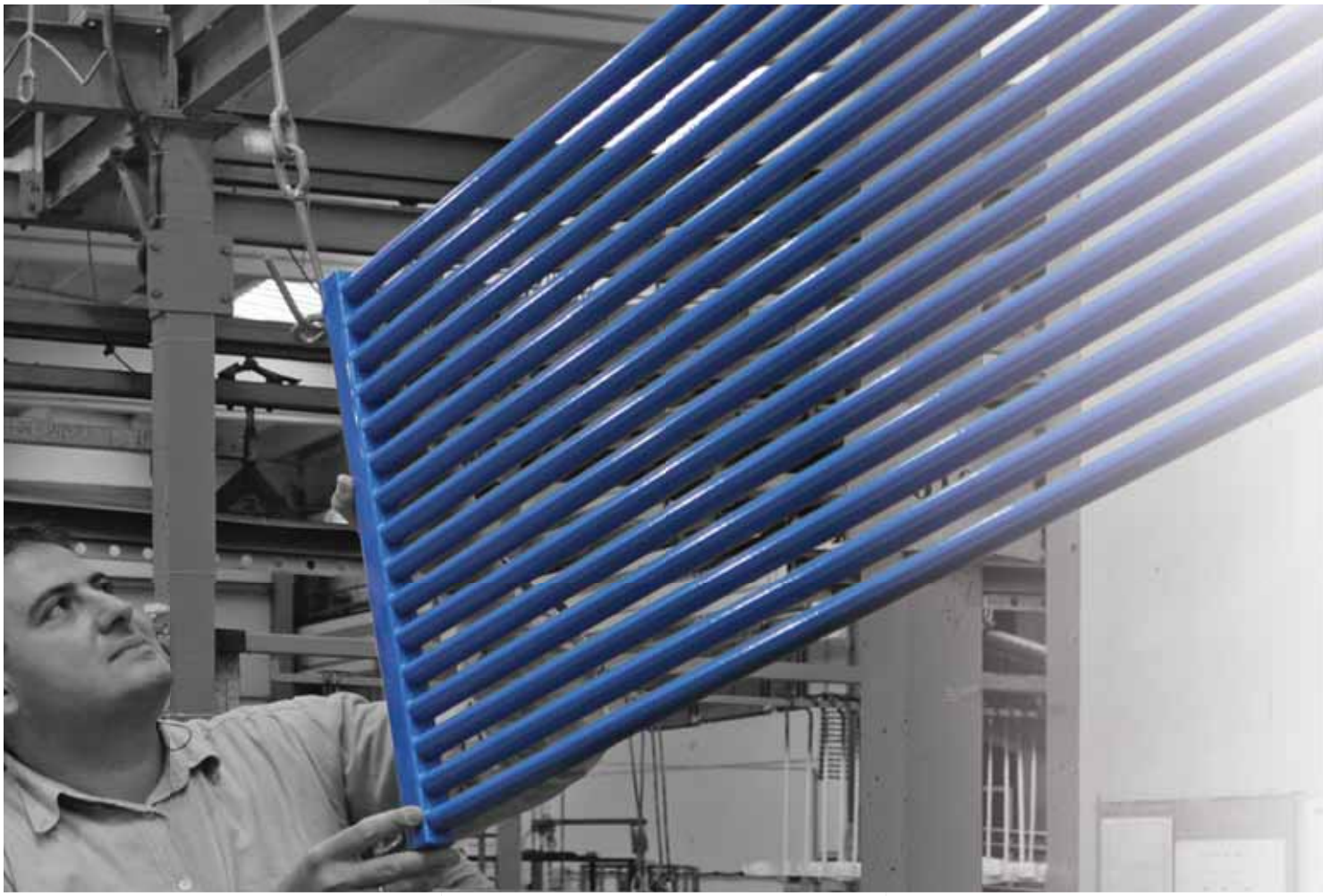
100% Made in Italy production, that has constantly evolved over the years. The historical products of Cordivari have been joined by systems and solutions that are the result of research and development, and that today represent strategic assets for the growth and the future of the company. Today the production philosophy is essentially oriented towards high efficiency products designed to optimize the well-being and energy efficiency of buildings.

In designing and developing the proposed systems, Cordivari uses innovative solutions able to combine comfort, energy performance and savings, through the use of latest generation technologies and renewable sources.

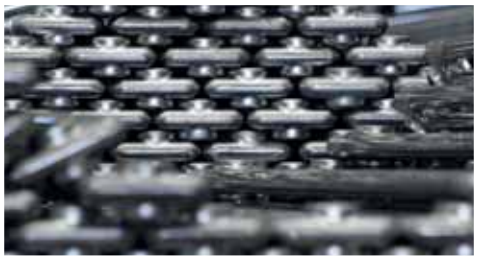














#quality

The Cordivari products featured in this catalog respond to the most important and stringent international certifications and approvals.
All radiators are manufactured in full compliance with the harmonized European standard EN 442-1-2-3 and CE marked in accordance with all directives governing this marking.
Among the other certifications obtained, the NF marking, the certification of the painting process according to DIN 55900 1-2 and the certification of conformity of the fixing systems according to VDI6036.

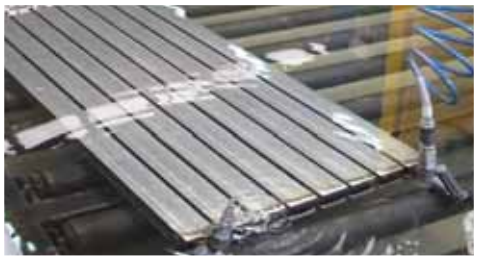
Environment certification UNI EN ISO 14001

UNI EN ISO 9001-14001

RADIATORS, CONVECTORS AND CEILING-MOUNTED RADIANT PANELS, HOT WATER HEATING, FAN ASSISTED AND MIXED

EN 442-1 RADIATORS AND CONVECTORS

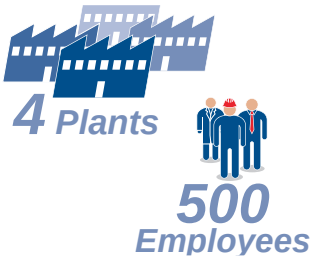
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CPR 305/2011



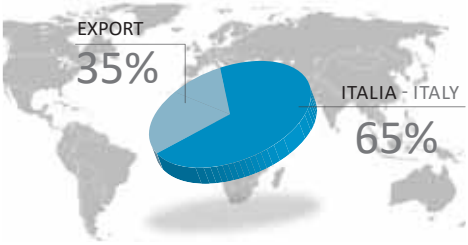





CORDIVARI


4 Plants
500
Employees




EXPORT
35%
ITALIA - ITALY
65%

#know-how



Thanks to the experience gained in over 40 years of activity, the Cordivari company has contributed to the evolution of the sector introducing innovative solutions on the market, oriented towards design, savings and domestic comfort. Cordivari has been the protagonist of the evolution of the design and functionality of the heating terminals thanks to the introduction of innovations in the field of technic, process and materials.

At the end of the 80s it was the first company to introduce on the market a decorative radiator made of stainless steel, from which a whole line of products was born, and over the years has become a “cult” of the sector and a hallmark of the company.

Today the Cordivari range of radiators is the most complete on the market with over 100 models that explore every material, ranging from tubular to towel warmers, from decorative radiators to heating bodies designed in collaboration with the most prestigious international representatives.







TUBULAR ARDESIA®









ardesia®



IN PICTURE
material: painted carbon steel
colour: RAL 9010 - R01 White
2 columns; 12 elements; L: 552 mm; H: 1800 mm
Watt 1609
accessories: manual square painted elegant valve



IN THE UPPER PICTURE
material: painted carbon steel
colour: F23 Sparkling Grey
2 columns; 21 elements; L: 966 mm; H: 656 mm; pipe centres: 600 mm
Watt 1071
accessories: kristal valve square

ARDESIA®
2 COLUMNS

page 258

ARDESIA®
3 COLUMNS

page 260

IN THE PICTURE ON THE RIGHT
material: painted carbon steel
colour: RAL 3003 - R08 Ruby red
3 columns; 14 elements; L: 644 mm; H: 1800 mm
Watt 2523
accessories: kristal valve square






WOMEN



IN THE UPPER PICTURE
material: painted carbon steel
colour: RAL 9010 - R01 White
4 columns; 30 elements; L: 1380; H: 656 mm; pipe centres: 600 mm
Watt 2748
accessories: kristal valve square

IN PICTURE ON THE LEFT
material: painted carbon steel
colour: RAL 9010 - R01 White
4 columns; 15 elements; L: 690 mm; H: 1800 mm
Watt 3399
accessories: Kristal square holders kit

ARDESIA®
4 COLUMNS

page 262



IN THE UPPER PICTURE
material: painted carbon steel
colour: F28 Shiny Transparent
5 columns; 19 elements; L: 874 mm; H: 756 mm; Pipe centres: 700 mm
Watt 2109
accessories: kristal valve square

ARDESIA®
5 COLUMNS

page 264





IN PICTURE
material: painted carbon steel
colour: RAL 9010 - R01 White
5 columns; 18 elements; L: 828 mm; H: 750 mm
Watt 2246
accessories: kristal valve square whit thermostatic option



IN PICTURE
material: painted carbon steel
colour: RAL 9010 - R01 White
6 columns; 28 elements; L: 1288 mm; H: 400 mm
Watt 2444
accessories: kristal valve square



ARDESIA®
6 COLUMNS

page 266

CORDIVARI





ARDESIA®
ELECTRIC

page 342

IN PICTURE ON THE LEFT
material: painted carbon steel
colour: RAL 9010 - R01 White
L: 982 mm; H: 600 mm
Watt 1500

ARDESIA®
CURVED

page 271



IN PICTURE
material: painted carbon steel
colour: S07 Graphite
3 columns; 26 elements; H: 600 mm
Watt 1695



ARDESIA®
ANGLED

page 281

IN THE BELOW PICTURE
ARDESIA® BENCH page 278



IN THE BELOW PICTURE
material: painted carbon steel
colour: R22 Stone Grey
3 columns; 13 elements (side 1); 13 elements (side 2); H: 1600 mm
Watt 4334





ARDESIA®
HYGIENIC

page 280



IN PICTURE
material: painted carbon steel
colour: RAL 9016 - R02 Traffic white
3 columns; 18 elements; L: 1151; H: 600 mm
Watt 1174

TOWEL RAILS
RADIATORS









CLAUDIA®
ELITE

page 284

IN THE BELOW PICTURE
material: painted carbon steel
colour: RAL 1013 - R40 Pearl White
L: 500 mm; H: 1411 mm
Watt 719
Accessories included in the Elite version: kristal valve square; kit 2 hooks







IN PICTURE
material: painted carbon steel
colour: H27 Bright red
L: 500 mm; H: 1411 mm
Watt 719
Accessories included in the Elite version: kristal valve square; kit 2 hooks



IN PICTURE
material: painted carbon steel
colour: RAL 8017 - R09 Dark brown
L: 450 mm; H: 1411 mm
Watt 648
accessories:
manual square painted elegant valve

CLAUDIA®

page 286



CLAUDIA®
WIDE

page 290



IN PICTURE
material: painted carbon steel
colour: S02 Manhattan
L: 1200 mm; H: 620 mm
Watt 712
accessories: manual square elegant valve





IN THE PICTURE ON THE RIGHT
material: painted carbon steel
colour: H56 Lavic stone
L: 500 mm; H: 1411 mm
Watt 742
accessories: kristal valve square

CLAUDIA®
CURVED

page 292









CLAUDIA®
SQUARE

page 288

IN PICTURE ON THE LEFT
material: painted carbon steel
colour: F31 Corten Brown
L: 490 mm; H: 1819 mm
Watt 284
accessories: kristal valve square





CLAUDIA
ELECTRIC

page 344

IN PICTURE ON THE LEFT
material: painted carbon steel
colour: T12 Matt Light Grey
L: 500 mm; H: 1807 mm
Watt 900
Digital thermostat Plus



CLAUDIA®
BLOWER

page 370

IN PICTURE ON THE LEFT
material: painted carbon steel
colour: H09 Lake
L: 500 mm; H: 1195 mm
Watt 750+1000







IN PICTURE
CLAUDIA® BLOWER DUAL ENERGY page 372
material: painted carbon steel
colour: R01 White
L: 500 mm - H: 1195 mm
Watt 595+1000 (blower)
accessories: kristal valve square

ANNA

page 296

IN THE PICTURE ON THE RIGHT
material: painted carbon steel
colour: H24 Mango
L: 500 mm; H: 1454 mm
Watt 639
accessories: kristal valve square







NAUSICA

page 298

IN THE BELOW PICTURE
material: painted carbon steel
colour: RAL 7001 - R21 Silver grey
L: 500 mm; H: 1130 mm
Watt 472
accessories: kristal valve square







IN PICTURE
material: painted carbon steel
colour: S02 Manhattan
L: 500 mm; H: 1430 mm
Watt 575
accessories: kristal valve corner right



IN PICTURE
material: painted carbon steel
colour: RAL 9016 - R02 Traffic white
L: 530 mm; H: 1880 mm
Watt 810
accessories: kristal valve square left pipe centres 50 mm



IN THE UPPER PICTURE
material: painted carbon steel
colour: H48 Dove
L: 480 mm; H: 1320 mm
Watt 563
accessories: manual square polished elegant valve

NAIKE

page 300

LUCY 18

page 302

IN THE BELOW PICTURE
material: painted carbon steel
colour: RAL 9010 - R01 White
L: 480 mm; H: 1410 mm
Watt 838
accessories: kristal valve square







IN PICTURE
material: painted carbon steel
colour: RAL 7030 - R22 Stone Grey
L: 480 mm; H: 1410 mm
Watt 838
accessories: kristal valve square right pipe centres 50 mm





LUCY 18
PLUS

page 304

IN PICTURE ON THE LEFT
material: painted carbon steel
colour: F37 Denim Blue
L: 480 mm; H: 1410 mm
Watt 1183
accessories: kristal valve square

LUCY 18
WIDE

page 306



IN PICTURE
material: painted carbon steel
colour: S07 Graphite
L: 600 mm; H: 1400 mm
Watt 822
accessories: manual square painted elegant valve





LUCY 18
ELECTRIC

page 346



IN PICTURE
material: painted carbon steel
colour: H48 Dove
L: 480 mm; H: 1410 mm
Watt 900
Digital Thermostat Eco

LUCY 25

page 308

IN THE PICTURE ON THE RIGHT
material: painted carbon steel
colour: F25 Quartz Dust
L: 530 mm; H: 1441 mm
Watt 812
accessories: kristal valve square

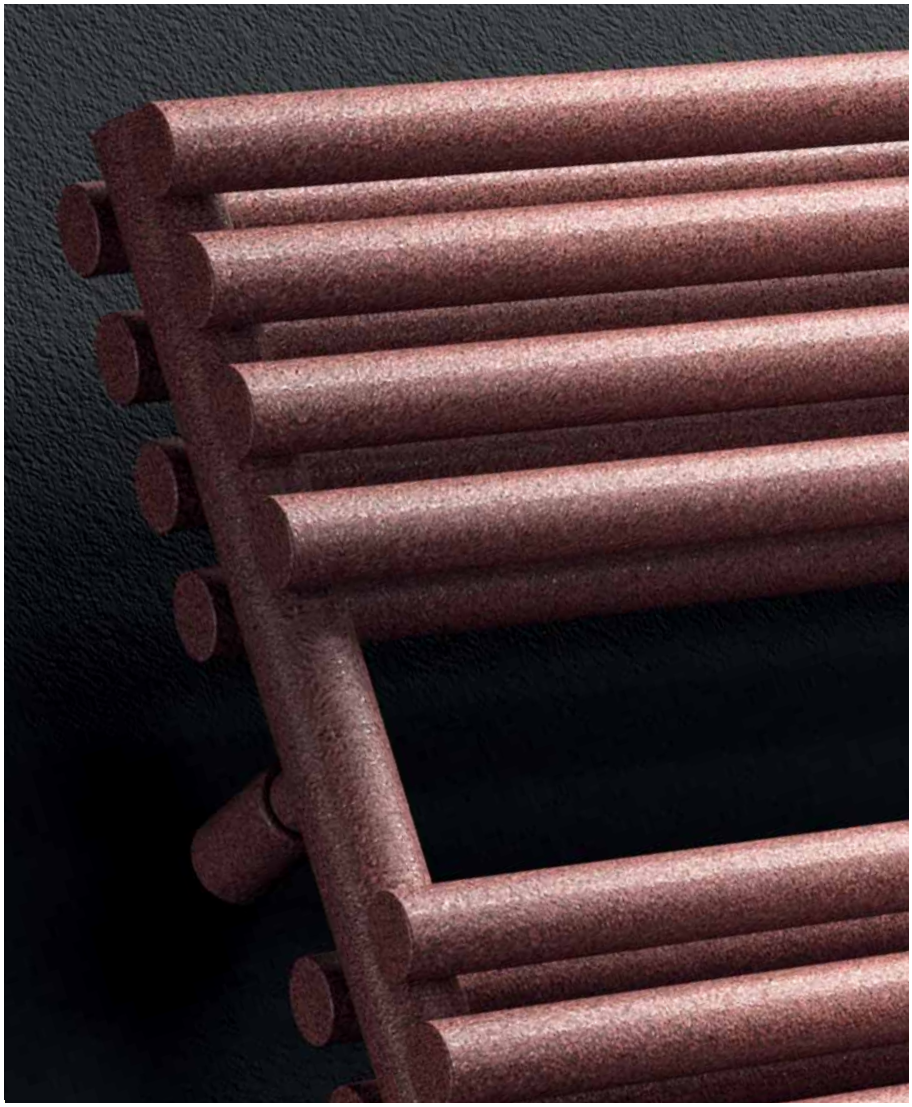




LUCY 25
PLUS

page 310

IN THE PICTURE ON THE RIGHT
material: painted carbon steel
colour: F34 Red Sand
L: 530 mm; H: 1441 mm
Watt 1250
accessories: kristal valve square











LUCY 25
CHROMED

page 312

IN PICTURE ON THE LEFT
material: painted carbon steel
chromed finish
L: 480 mm; H: 1441 mm
Watt 580
accessories: kristal valve square

BRIGITTE

page 314

IN THE PICTURE ON THE RIGHT
material: painted carbon steel
colour: H56 Lavic stone
L: 500 mm; H: 1435 mm
Watt 912
accessories: kristal valve square






THE FASHION BOOK

GLORIA 18

page 316



IN PICTURE
material: painted carbon steel
colour: R01 white
L: 530 mm; H: 1500 mm
Watt 738
accessories: kristal valve square



IN PICTURE
material: painted carbon steel
colour: H48 Dove
L: 580 mm; H: 1500 mm
Watt 860
accessories: kristal valve square left pipe centres 50 mm



GLORIA 22

page 318

IN THE BELOW PICTURE
material: painted carbon steel
colour: RAL 9010 - R01 White
L: 530 mm; H: 1150 mm
Watt 617
accessories: kristal valve square



GLORIA 22
PLUS

page 320

IN THE PICTURE ON THE RIGHT
material: painted carbon steel
colour: S07 Graphite
L: 530 mm; H: 1500 mm
Watt 1154
accessories: kristal valve square











IN PICTURE ON THE LEFT
material: painted carbon steel
chromed finish
L: 530 mm; H: 1500 mm
Watt 740
accessories: kristal valve square

GLORIA 22
CHROMED

page 322





IN PICTURE ON THE LEFT
material: painted carbon steel
colour: RAL 9005 - R13 Jet black
L: 580 mm; H: 1500 mm
Watt 900
Digital Thermostat Eco

GLORIA 22
ELECTRIC

page 348

GLORIA 22
ELECTRIC CHROMED

page 350

ECO DESIGN ErP 2018



IN THE PICTURE ON THE RIGHT
material: painted carbon steel
chromed finish
L: 580 mm; H: 1500 mm
Watt 700
Digital Thermostat Eco





GLORIA 22
WIDE

page 324



IN PICTURE
material: painted carbon steel
colour: RAL 9005 - R13 Jet black
L: 1200 mm; H: 400 mm
Watt 460
accessories: kristal valve square



IN PICTURE
material: painted carbon steel
colour: RAL 9010 - R01 White
L: 530 mm; H: 1500 mm
Watt 1000+1000



GLORIA 22
BLOWER

page 374

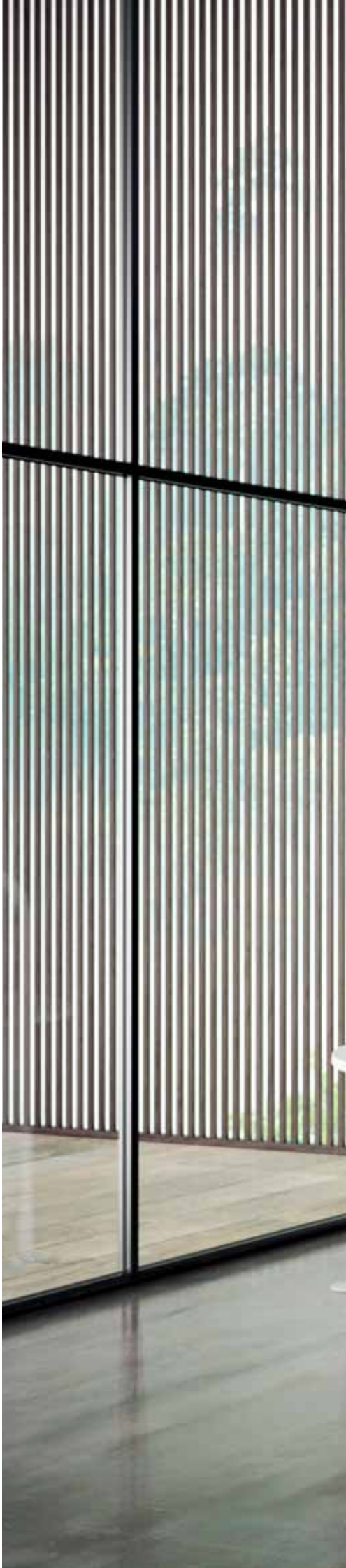
IN THE BELOW PICTURE
GLORIA 22 BLOWER DUAL ENERGY page 366
material: painted carbon steel
colour: RAL 7001 - R21 silver grey
L: 591 mm; H: 1500 mm
Watt 591+1000 (blower)
accessories: kristal valve square



DORY

page 326

IN THE PICTURE ON THE RIGHT
material: painted carbon steel
colour: RAL 1013 - R40 Pearl White
L: 500 mm; H: 1512 mm
Watt 767
accessories: kristal valve square







DORY
ELECTRIC

page 352



IN PICTURE
material: painted carbon steel
colour: RAL 9010 - R01 White
L: 500 mm; H: 1512 mm
Watt 900
Digital Thermostat Eco

DORY
BLOWER

page 378

IN THE BELOW PICTURE
material: painted carbon steel
colour: S16 Canary
L: 500 mm; H: 1512 mm
Watt 1000+1000







IN PICTURE
DORY BLOWER DUAL ENERGY page 380
material: painted carbon steel
colour: RAL 7001 - R21 silver grey
L: 500 mm; H: 1512 mm
Watt 767+1000 (blower)
accessories: kristal valve square



IN THE PICTURE ON THE RIGHT
material: painted carbon steel
colour: S17 Bahama Beige
L: 500 mm; H: 1450 mm
Watt 892
accessories: kristal valve square

KATIA VX

page 328









KATIA VX
PLUS

page 330

IN PICTURE ON THE LEFT
material: painted carbon steel
colour: T13 Matt grey
L: 500 mm; H: 1450 mm
Watt 1200
accessories: kristal valve square



KATIA VX
WIDE

page 332



IN PICTURE
material: painted carbon steel
colour: H 27 Bright red
L: 1400 mm; H: 400 mm
Watt 535
accessories: kristal valve square

CORDIVARI

KELLY FLAT

page 334

IN THE BELOW PICTURE
material: painted carbon steel
colour: F25 Quartz Dust
L: 500 mm; H: 1536 mm
central connection version
Watt 652
accessories: kristal valve square right pipe centres 50 mm







IN PICTURE
material: painted carbon steel
colour: F37 Denim Blue
L: 500 mm; H: 1312 mm
Watt 563
accessories: kristal valve square left
pipe centres 50 mm



IN PICTURE
material: painted carbon steel
colour: F37 Denim Blue
L: 500 mm; H: 1312 mm
left version
Watt 700
Digital Thermostat Eco

KELLY FLAT
ELECTRIC

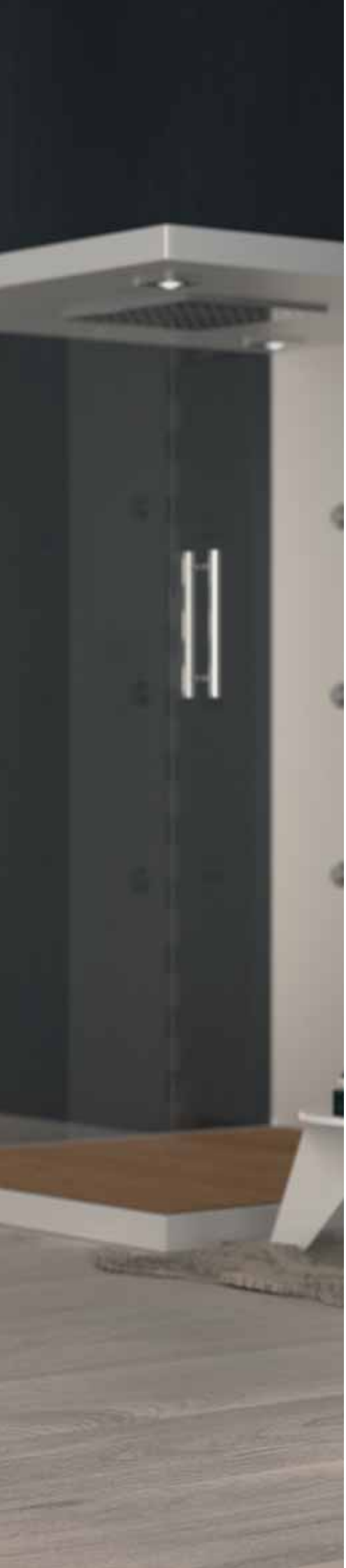
page 356

IN THE BELOW PICTURE
material: painted carbon steel
colour: T10 Matt beige
L: 500 mm; H: 1312 mm
right version
Watt 700
Digital Thermostat Eco





IN PICTURE
material: painted carbon steel
colour: F25 Quartz Dust
L: 600 mm; H: 1433 mm
Blower version left
Watt 750+1000





IN THE UPPER PICTURE
material: painted carbon steel
colour: RAL 9010 - R01 White
L: 600 mm; H: 1433 mm
Blower version right
Watt 750+1000

ECO DESIGN ErP 2018

KELLY FLAT
BLOWER

page 382

KELLY FLAT
BLOWER DUAL ENERGY

page 386



IN PICTURE ON THE RIGHT
material: painted carbon steel
colour: RAL 7001 - R21 silver grey
L: 600 mm; H: 1368 mm
Blower version right
Watt 750+1000 (blower)
accessories: kristal valve square







SAMIRA

page 336

IN PICTURE ON THE LEFT
material: painted carbon steel
colour: RAL 9010 - R01 White
L: 1385 mm; H: 500 mm
Watt 693
accessories: kristal valve square



IN PICTURE
material: painted carbon steel
colour: F37 Denim Blue
L: 1000 mm; H: 480 mm
Watt 507
accessories: Kristal valve corner left

SAMIRA
WIDE

page 338



KORA

page 340



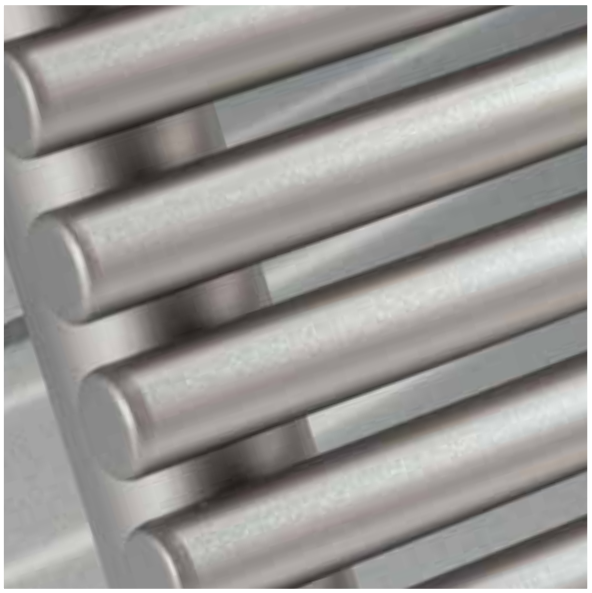
IN THE PICTURE ON THE RIGHT
material: painted carbon steel
colour: S20 Jasmine
L: 500 mm; H: 1400 mm
Watt 520
accessories: kristal valve square



INOX RANGE RADIATORS









ELEN 18
POLISHED STAINLESS STEEL

page 388



IN THE PICTURE ON THE RIGHT
material: Polished stainless steel
L: 580 mm; H: 1410 mm
Watt 978
accessories: kristal valve square







ELEN 18
SATIN STAINLESS STEEL

page 390

IN PICTURE ON THE LEFT
material: Satin stainless steel
L: 580 mm; H: 1410 mm
Watt 1020
accessories: kristal valve square

ELEN 18

WIDE - POLISHED STAINLESS STEEL

page 392



IN PICTURE
material: Polished stainless steel
L: 1428 mm; H: 600 mm
Watt 822
accessories: kristal valve square









IN PICTURE ON THE LEFT
material: Polished stainless steel
L: 500 mm; H: 1410 mm
Watt 700
Digital thermostat Top

ELEN 18
ELECTRIC
POLISHED STAINLESS STEEL

page 358

ELEN 22
POLISHED STAINLESS STEEL

page 394

IN THE PICTURE ON THE RIGHT
material: Polished stainless steel
L: 530 mm; H: 1490 mm
Watt 643
accessories: kristal valve square











NANCY
POLISHED STAINLESS STEEL

page 396

IN PICTURE ON THE LEFT
material: Polished stainless steel
L: 500 mm; H: 1435 mm
Watt 658
accessories: kristal valve square





IN THE PICTURE ON THE RIGHT
material: Satin stainless steel
L: 500 mm; H: 1435 mm
Watt 677
accessories: kristal valve square

NANCY
SATIN STAINLESS STEEL

page 398





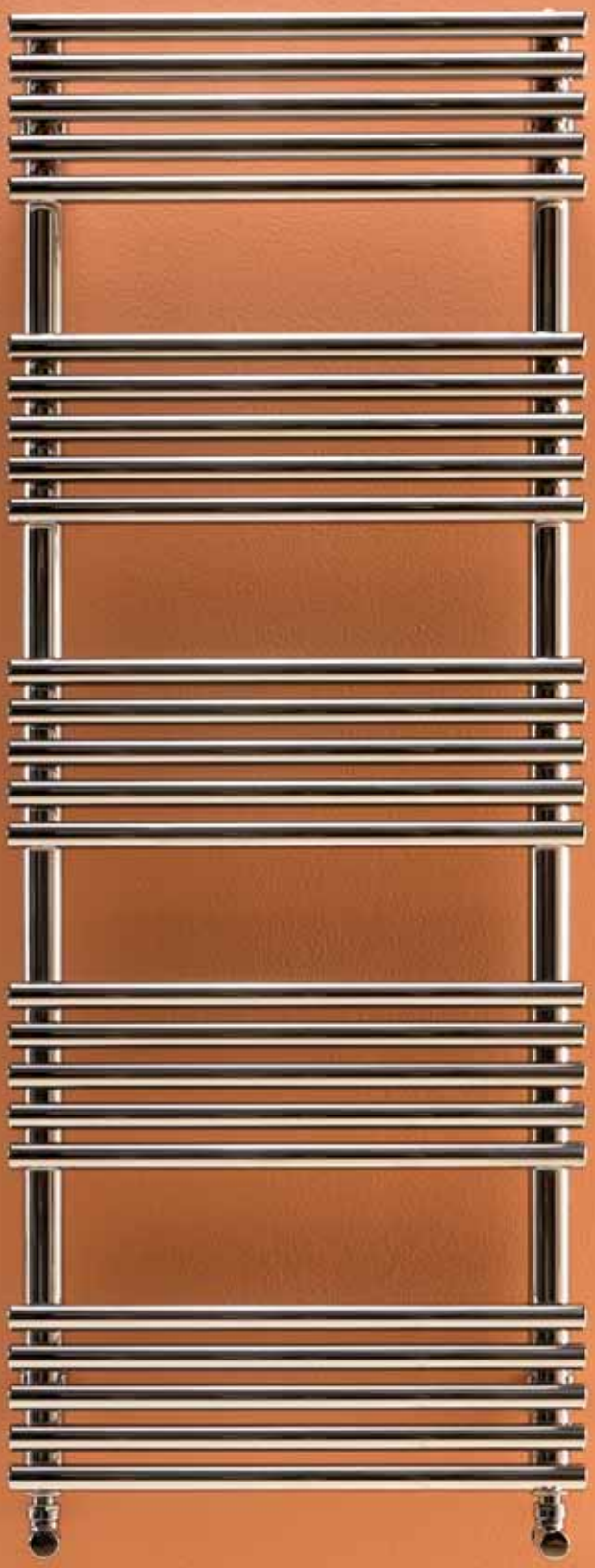
SANDY
POLISHED STAINLESS STEEL

page 400

IN THE PICTURE ON THE RIGHT
material: Polished stainless steel
L: 500 mm; H: 1295 mm
Watt 475
accessories: kristal valve square











SANDY
ELECTRIC
POLISHED STAINLESS STEEL

page 360

IN PICTURE ON THE LEFT
material: Polished stainless steel
L: 500 mm; H: 1295 mm
Watt 600
Digital thermostat Top

LEILA
POLISHED STAINLESS STEEL

page 402

IN THE PICTURE ON THE RIGHT
material: Polished stainless steel
L: 500 mm; H: 1512 mm
Watt 493
accessories: kristal valve square





LEILA
ELECTRIC
POLISHED STAINLESS STEEL

page 362



IN PICTURE
material: Polished stainless steel
L: 500 mm; H: 1750 mm
Watt 600
Digital thermostat Top



STEFANIA
POLISHED STAINLESS STEEL

page 404

IN THE BELOW PICTURE
STEFANIA ELECTRIC - POLISHED STAINLESS STEEL page 364
material: Polished stainless steel
L: 500 mm; H: 1435 mm
Watt 500
Digital thermostat Top







IN PICTURE
material: Polished stainless steel
L: 500 mm; H: 1435 mm
Watt 446
accessories: kristal valve square



STEFANIA
SATIN STAINLESS STEEL

page 406

IN PICTURE ON THE LEFT
material: Satin stainless steel
L: 500 mm; H: 1435 mm
Watt 491
accessories: kristal valve square



IN THE UPPER PICTURE
material: Polished stainless steel
L: 530 mm; H: 1300 mm
Watt 276
accessories: kristal valve square

ALESSANDRA
POLISHED STAINLESS STEEL

page 408





IN PICTURE
ALESSANDRA Electric - Polished stainless steel page 366
material: Polished stainless steel
L: 530 mm; H: 600 mm
Watt 150

ALESSANDRA
SATIN STAINLESS STEEL

page 408



IN THE PICTURE ON THE RIGHT
material: Satin stainless steel
L: 530 mm; H: 1580 mm
Watt 372
accessories: kristal valve square







LAURA
POLISHED STAINLESS STEEL

page 394

IN PICTURE ON THE LEFT
material: Polished stainless steel
L: 530 mm; H: 1580 mm
Watt 400
accessories: kristal valve square



IN PICTURE
material: Polished stainless steel
L: 530 mm; H: 600 mm
Watt 150

LAURA
ELECTRIC
POLISHED STAINLESS STEEL

page 368



GIADA
VERTICAL
POLISHED STAINLESS STEEL

page 412



IN THE PICTURE ON THE RIGHT
material: Polished stainless steel
L: 511 mm; H: 1800 mm
Watt 918
accessories: kristal valve square





GIADA
HORIZONTAL
POLISHED STAINLESS STEEL

page 414



IN PICTURE
material: Polished stainless steel
L: 1400 mm; H: 511 mm
Watt 787
accessories: kristal valve square

GIADA
VERTICAL
SATIN STAINLESS STEEL

page 416



IN THE PICTURE ON THE RIGHT
material: Satin stainless steel
L: 511 mm; H: 1800 mm
Watt 884
accessories: kristal valve square

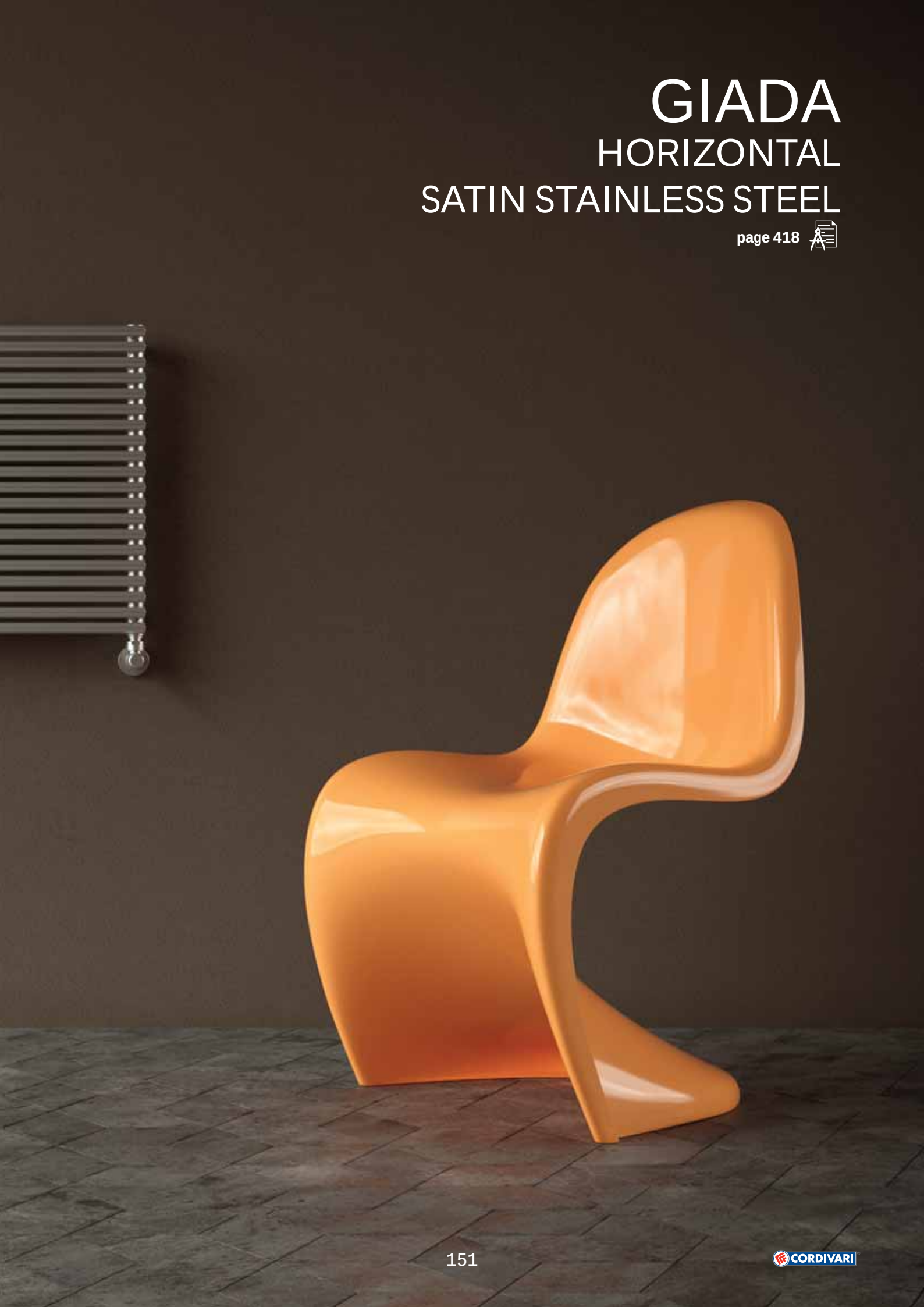




IN PICTURE
material: Satin stainless steel
L: 1400 mm; H: 511 mm
Watt 813
accessories: kristal valve square

GIADA
HORIZONTAL
SATIN STAINLESS STEEL

page 418



CORDIVARI





ELSA
POLISHED STAINLESS STEEL

page 420

IN PICTURE
material: Polished stainless steel
L: 430 mm; H: 1800 mm
Watt 560
accessories: kristal valve square

DESIGN RADIATORS









ROSY
VERTICAL

page 422



IN PICTURE
material: painted carbon steel
colour: T14 Matt brown
L: 504 mm; H: 1800 mm
Watt 1026
accessories: kristal valve square



ROSY
HORIZONTAL

page 424

IN PICTURE
material: painted carbon steel
colour: F30 White Sand
L: 1400 mm; H: 504 mm
Watt 823
accessories: kristal valve square






CHAPLIN
CASE DA ABITARE
CASE DA ABITARE

ROSY TANDEM
VERTICAL

page 426



IN PICTURE
material: painted carbon steel
colour: RAL 8017 - R09 Dark brown
L: 504 mm; H: 1800 mm
Watt 1485
accessories: manual square painted elegant valve

ROSY TANDEM
VERTICAL

page 504



IN THE PICTURE ON THE RIGHT
material: painted carbon steel
colour: F36 Terra
L: 1008 mm; H: 658 mm; Pipe centres: 600 mm
Watt 1251
accessories: kristal valve square







IN PICTURE ON THE LEFT
material: painted carbon steel
colour: RAL 9010 - R01 White
L: 1400 mm; H: 448 mm
Watt 1271
accessories: kristal valve square

ROSY TANDEM
HORIZONTAL

page 428

ROSY MAX

page 430

IN THE PICTURE ON THE RIGHT
material: painted carbon steel
colour: F31 Corten Brown
L: 778 mm; H: 1800 mm
Watt 3500
accessories: kristal valve square









ROSY MAX

page 506

IN PICTURE ON THE LEFT
material: painted carbon steel
colour: F30 White Sand
L: 834 mm; H: 640 mm; Pipe centres: 600 mm
Watt 1522
accessories: kristal valve square



IN PICTURE
material: painted carbon steel
versione: Rosy vertical
Picture: Il Bacio (P99)
L: 784 mm; H: 1800 mm
Watt 1596
accessories: kristal valve square



ROSY PICTURE

page 432

IN THE BELOW PICTURE
material: painted carbon steel
versione: Rosy tandem horizontal
Picture: Fisher (P09)
L: 1400 mm; H: 448 mm
Watt 1271
accessories: kristal valve square



ROSY MIRROR

page 434

IN THE PICTURE ON THE RIGHT
material: painted carbon steel
colour: F22 Classic gold
L: 560 mm; H: 1800 mm
Watt 684
accessories: kristal valve square









IN THE UPPER PICTURE
material: painted carbon steel
colour: F34 Red Sand
L: 983 mm; H: 640 mm; Pipe centres: 600 mm
Watt 1181
accessories: kristal valve square

IN THE PICTURE ON THE RIGHT
material: painted carbon steel
colour: RAL 9001 - R14 Cream
L: 473 mm; H: 1800 mm
Watt 1486
accessories: kristal valve square

KEIRA
VERTICAL

page 436





IN PICTURE
material: painted carbon steel
colour: F22 Classic gold
L: 473 mm; H: 1800 mm
Watt 2387
accessories: kristal valve square



KEIRA TANDEM

VERTICAL

page 438

CORDIVARI

KEIRA TANDEM
VERTICAL

page 510





IN PICTURE
material: painted carbon steel
colour: F26 Dark Alluminium
L: 1043 mm; H: 640 mm; Pipe centres: 600 mm
Watt 2121
accessories: kristal valve square

KARIN VX
VERTICAL

page 440

IN PICTURE
material: painted carbon steel
colour: S03 Pergamon
L: 550 mm; H: 1800 mm
Watt 1467
accessories: kristal valve square



KARIN VX
HORIZONTAL

page 442

IN THE PICTURE ON THE RIGHT
material: painted carbon steel
colour: F38 Sandstone
L: 1400 mm; H: 550 mm
Watt 1496
accessories: kristal valve square






MADRID
THE MOTION MAKER
FUTURE
4EVER
Feel secure in your house



KARIN VX TANDEM
VERTICAL

page 444

IN PICTURE ON THE LEFT
material: painted carbon steel
colour: RAL 9016 - R02 Traffic white
L: 550 mm; H: 1800 mm
Watt 2079
accessories: kristal valve square

KARIN VX TANDEM

VERTICAL

page 510



IN PICTURE
material: painted carbon steel
colour: S16 Canary
L: 1100 mm; H: 630 mm; Pipe centres: 600
Watt 1777
accessories: kristal valve square





IN PICTURE
material: painted carbon steel
colour: RAL 9010 - R01 White
L: 1400 mm; H: 450 mm
Watt 1814
accessories: kristal valve square

KARIN VX TANDEM
HORIZONTAL

page 446



ALICE 18
VERTICAL

page 448

IN THE PICTURE ON THE RIGHT
material: painted carbon steel
colour: RAL 8007 - R09 Dark brown
L: 511 mm; H: 1800 mm
Watt 1264
accessories: kristal valve square







ALICE 18
HORIZONTAL

page 450



IN PICTURE
material: painted carbon steel
colour: RAL 3003 - R08 Ruby red
L: 1400 mm; H: 511 mm
Watt 1138
accessories: kristal valve square



IN PICTURE
material: painted carbon steel
colour: RAL 9010 - R01 White
L: 511 mm; H: 1800 mm
Watt 1802
accessories: kristal valve square

ALICE 18 TANDEM
VERTICAL

page 452



ALICE 18 TANDEM

VERTICAL

page 514





IN PICTURE
material: painted carbon steel
colour: S02 Manhattan
L: 1011 mm; H: 658 mm; Pipe centres: 600 mm
Watt 1537
accessories: kristal valve square

ALICE 18 TANDEM
HORIZONTAL

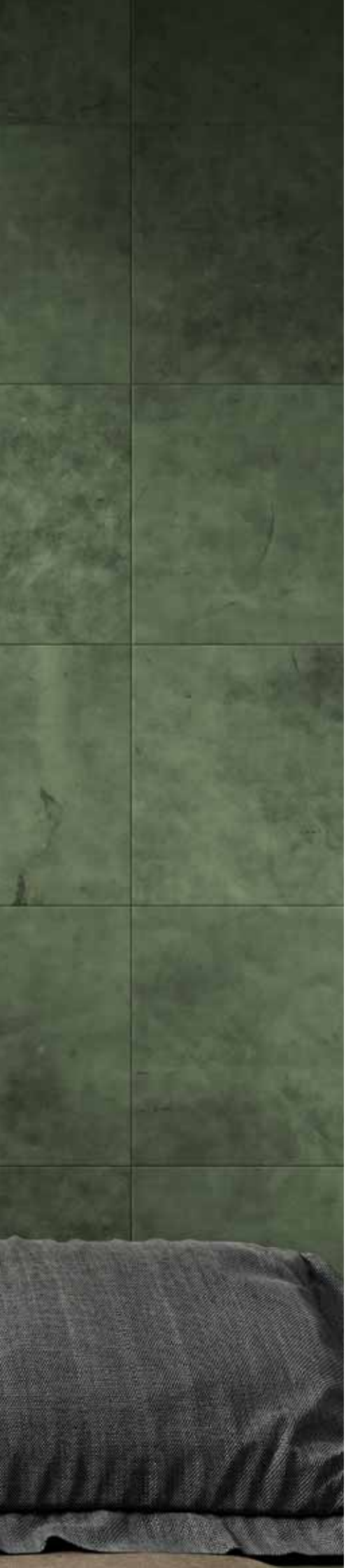
page 454



IN PICTURE
material: painted carbon steel
colour: H04 Ice
L: 1400 mm; H: 511 mm
Watt 1653
accessories: kristal valve square







ALICE 22
VERTICAL

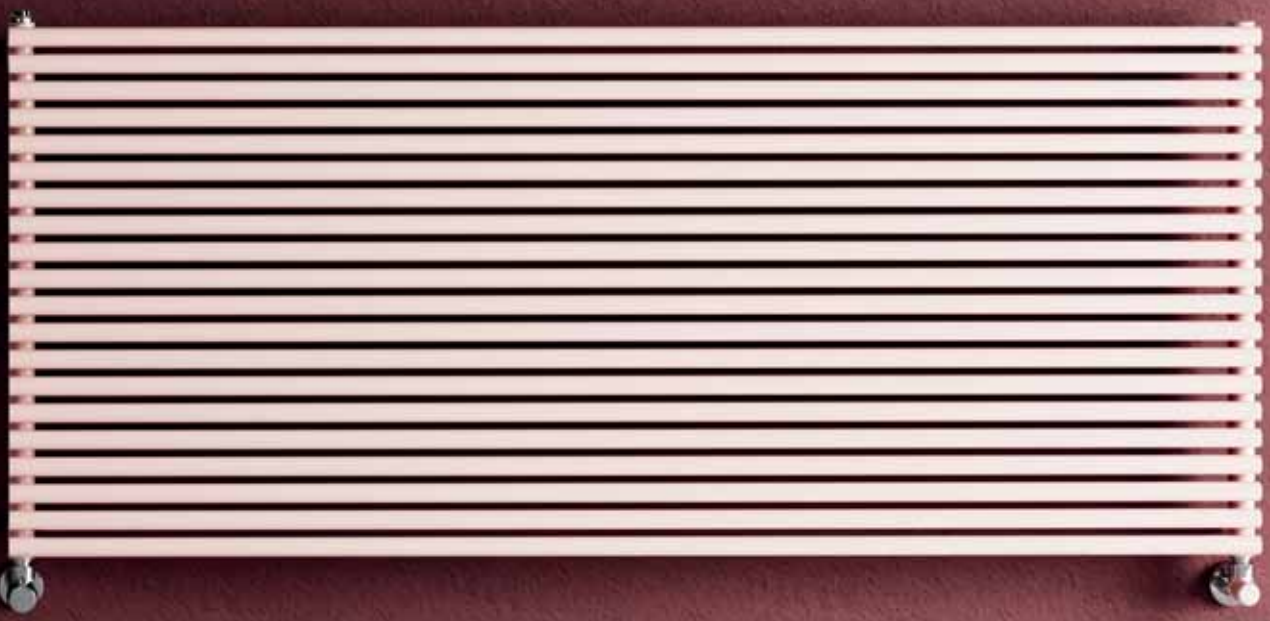
page 456

IN PICTURE ON THE LEFT
material: painted carbon steel
colour: F33 Emerald Sand
L: 540 mm; H: 1800 mm
Watt 1390
accessories: kristal valve square



ALICE 22
HORIZONTAL

page 458



IN PICTURE
material: painted carbon steel
colour: F30 White Sand
L: 1400 mm; H: 600 mm
Watt 1370
accessories: kristal valve square

ALICE 22 TANDEM
VERTICAL

page 460



IN THE PICTURE ON THE RIGHT
material: painted carbon steel
colour: RAL 8017 - R09 Dark brown
L: 540 mm; H: 1800 mm
Watt 1982
accessories: kristal valve square





ALICE 22 TANDEM
VERTICAL

page 516



IN PICTURE
material: painted carbon steel
colour: F35 Forest Green
L: 1020 mm; H:658 mm; Pipe centres: 600 mm
Watt 1783
accessories: kristal valve square

CORDIVARI



ALICE 22 TANDEM
HORIZONTAL

page 462



IN PICTURE
material: painted carbon steel
colour: F38 Sandstone
L: 1400 mm; H: 540 mm
Watt 1850
accessories: kristal valve square

ALICE 25
VERTICAL

page 464



IN THE PICTURE ON THE RIGHT
material: painted carbon steel
colour: RAL 1004 - R06 Gold
L:518 mm; H: 1800 mm
Watt 1182
accessories: kristal valve square





ALICE 25
HORIZONTAL

page 466



IN PICTURE
material: painted carbon steel
colour: RAL 3003 - R08 Ruby Red
L: 1200 mm; H:509 mm
Watt 871
accessories: kristal valve square

CORDIVARI





ALICE 25 TANDEM
VERTICAL

page 468

IN PICTURE ON THE LEFT
material: painted carbon steel
colour: S13 Light Pink
L: 546 mm; H: 2000 mm
Watt 2109
accessories: kristal valve corner



ALICE 25 TANDEM
VERTICAL

page 518



IN PICTURE
material: painted carbon steel
colour: Ral 7030 - R22 Stone Grey
L: 990 mm; H: 630 mm
Watt 1380
accessories: kristal valve square

CORDIVARI

ALICE 25 TANDEM
HORIZONTAL

page 462



IN PICTURE
material: painted carbon steel
colour: Ral 8017 - R09 Dark Brown
L: 1400 mm; H: 509 mm
Watt 1580
accessories: kristal valve square




archiproducts
DESIGN AWARDS
—
WINNER 2017
GERMAN
DESIGN
AWARD
SPECIAL
2019

ARIANNA

page 472



IN PICTURE
material: painted carbon steel
colour: R27 Metal grey
L: 486 mm; H: 1830 mm
Watt 1713
accessories: kristal valve square

CORDIVARI

ARIANNA

page 520



archiproducts DESIGN AWARDS — WINNER 2017

GERMAN DESIGN AWARD SPECIAL 2019

IN PICTURE
material: painted carbon steel
colour: F04 Graphite grey
L: 990 mm; H: 630 mm; Pipe centres: 600 mm
Watt 1281
accessories: kristal valve square



MY HEAD

page 526



IN PICTURE
MY HEAD WHITE WIRELESS THERMOSTAT
Mounted on the radiator ARIANNA
material: painted carbon steel
colour: RAL 9010 - R01 White
L: 822 mm; H: 630 mm; Pipe centres: 600 mm
Watt 1067






archiproducts
DESIGN AWARDS
WINNER 2017
GERMAN
DESIGN
AWARD
SPECIAL
2019

CORDIVARI





DORIANA
VERTICAL

page 474

IN PICTURE ON THE LEFT
material: painted carbon steel
colour: RAL 1004 - R06 Gold
L: 873 mm; H: 1800 mm
Watt 1836
accessories: kristal valve square



IN PICTURE
material: painted carbon steel
colour: RAL 3003 - R08 Ruby red
L: 1400 mm; H: 657 mm
Watt 1033
accessories: kristal valve square

DORIANA
HORIZONTAL

page 476



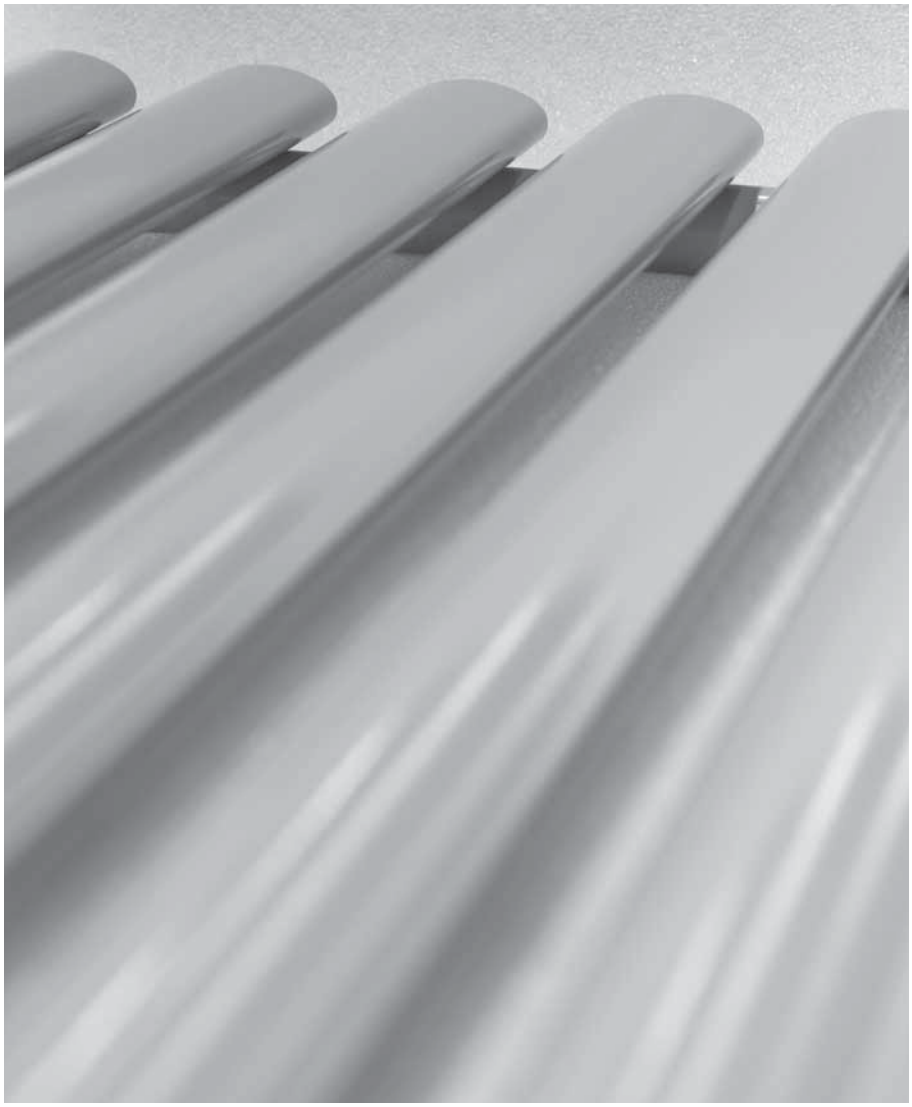




TAMARA
VERTICAL

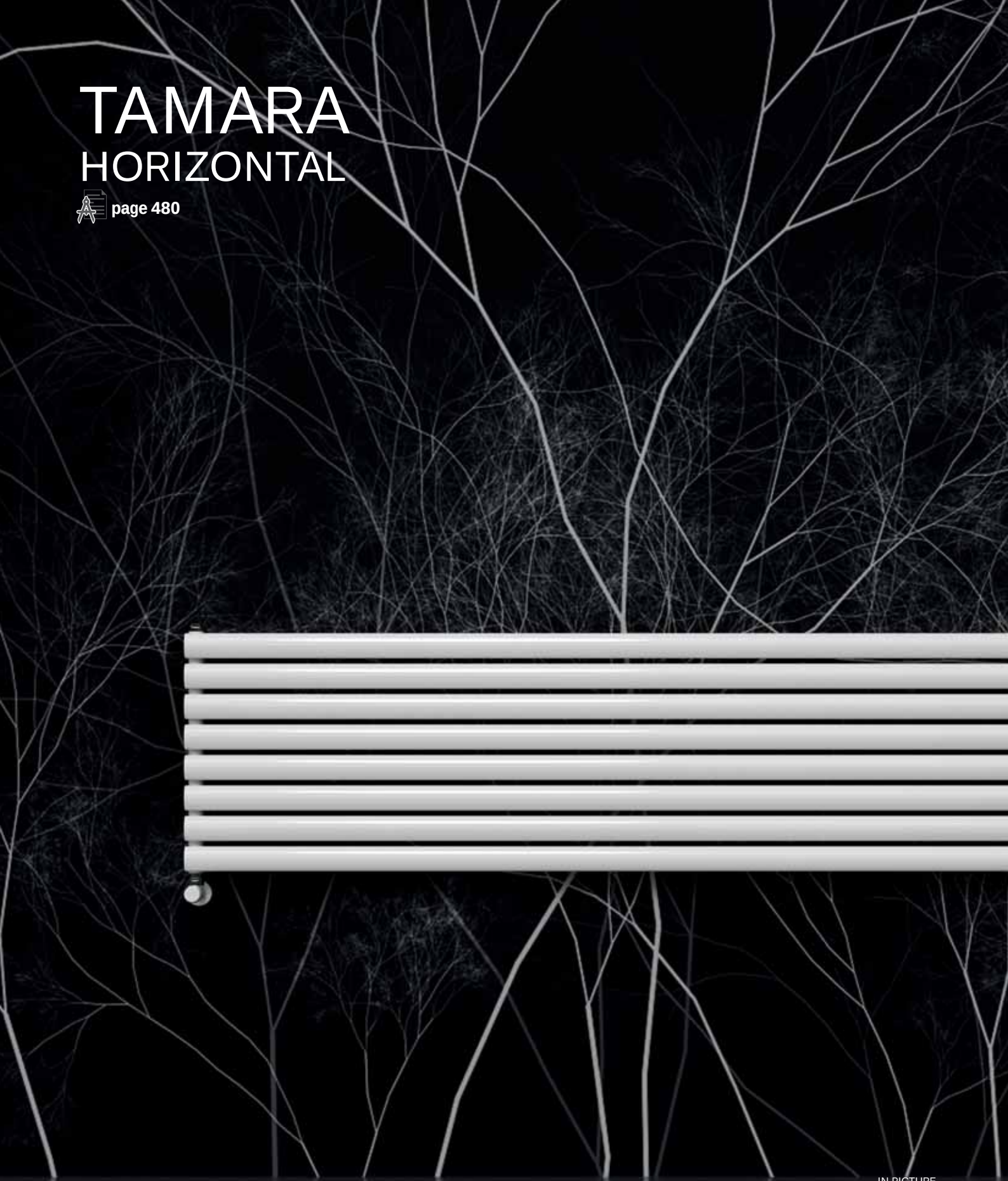
page 478

IN PICTURE ON THE LEFT
material: painted carbon steel
colour: RAL 1021 - R05 Yellow rape
L: 480 mm; H: 1800 mm
Watt 994
accessories: kristal valve square



TAMARA
HORIZONTAL

page 480



IN PICTURE
material: painted carbon steel
colour: F20 Milky
L: 1800 mm; H: 480 mm
Watt 859
accessories: kristal valve square







TAMARA TANDEM
VERTICAL

page 482

IN PICTURE ON THE LEFT
material: painted carbon steel
colour: F27 Moonshine
L: 480 mm; H: 2000 mm
Watt 1658
accessories: kristal valve square

TAMARA TANDEM
HORIZONTAL

page 484





IN PICTURE
material: painted carbon steel
colour: RAL9001 - R14 Cream
L: 1400 mm; H: 480 mm
Watt 1172
accessories: kristal valve square

VENTILATED RADIATORS






CORDIVARI

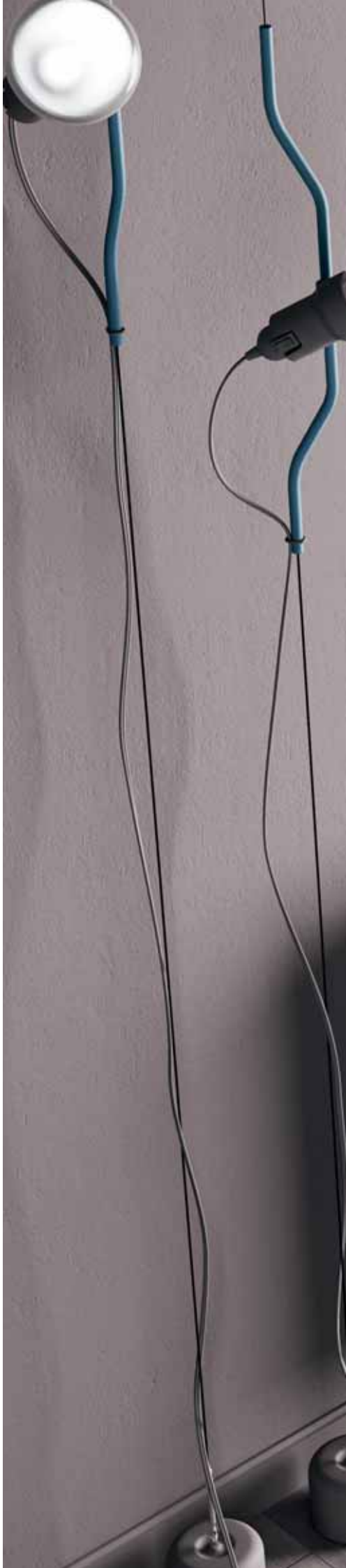


SOFI® HC
HORIZONTAL

page 486

IN THE PICTURE BELOW
material: painted carbon steel
colour: RAL 9010 - R01 White
L: 1200 mm; H: 610 mm
Thermal output Max in heating (70°) Watt 5372
Max power in cooling (7°) Watt 2154







GERMAN DESIGN AWARD SPECIAL 2020

IN PICTURE
material: painted carbon steel
colour: H09 Lake
L: 1200 mm; H: 610 mm
Thermal output Max in heating (70°)
Watt 5372
Max power in cooling (7°) Watt 2154



IN PICTURE
material: painted carbon steel
colour: RAL 9010 - R01 White
L: 554 mm; H: 2000 mm
Max power Watt 3377
accessories: kristal valve square pipe centres 50 mm



SOFI®
VERTICAL

page 498

IN THE BELOW PICTURE
material: painted carbon steel
Picture: Abstract 04 (G14)
L: 554 mm; H: 1800 mm
Max power Watt 3257
accessories: kristal valve square pipe centres 50 mm



MY WAY® HOME AUTOMATION SYSTEM









My way®
COSY HOME



IN PICTURE
MY WAY® HOME AUTOMATION SYSTEM FOR CLIMATE AND DOMESTIC COMFORT CONTROL ON THE RADIATOR ARIANNA







MY WAY®

page 522




archiproducts
DESIGN AWARDS
WINNER 2017
GERMAN
DESIGN
AWARD
SPECIAL
2019

My way®

COSY HOME

My Way® is the smart solution for the heating that makes your home more welcoming!



MY WAY®

page 522

GERMAN DESIGN AWARD WINNER 2018

DESIGN AWARD 2017



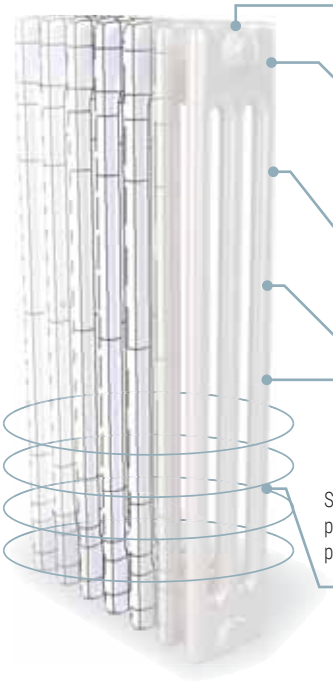
IN PICTURE
MY WAY® HOME AUTOMATION SYSTEM FOR CLIMATE AND DOMESTIC COMFORT CONTROL ON THE RADIATOR ANDREA (BY CORDIVARI DESIGN)

CORDIVARI

TECHNICAL DATA


I=H-40
1/2”
1/2”
L
85
114
148
148

ardesia®



Robotized welding between sections thanks to pulsed spray welding process

Heads moulded in mild steel plate

Tube-heads welding robotized, With capacitive discharge. No material supply

Tubes in mild steel electrowelded ø 25 mm.

12 phase welding process

Safety ensured by carton angular profiles protected by a recyclable film in polyethylene. User notice included.

FUNCTIONING
Hot water

Temperature (max)	Hub	Section width
110 °C	1"	46 mm

PRESSURE	
10 bar	Maximun working pressure
13 bar	Testing conditions

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

WARRANTY 5 YEARS



Ardesia® packing allows to install the radiator without removing the packing.

HOW TO ORDER **ARDESIA®** *(CREATION OF THE ARTICLE CODE)*

ARTICLE NR. STRUCTURE

Model and nr COLUMNS	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
AAA	BB	CCCC	DDD	EEE	A

EXAMPLE

Model and nr COLUMNS E.g.: Ardesia® 3 COLUMNS	Numero elements E.g.: 21 elements	Height in cm Example: 750 mm	Article code of the connection Example: connection D8	Article code of the colour Example: R01-White	Constant value
AR3	21	0750	D08	R01	A

Three-digit value for the number of columns

Two-digit value for the number of elements (see technical table)

Four-digit value for height indication (see technical table)

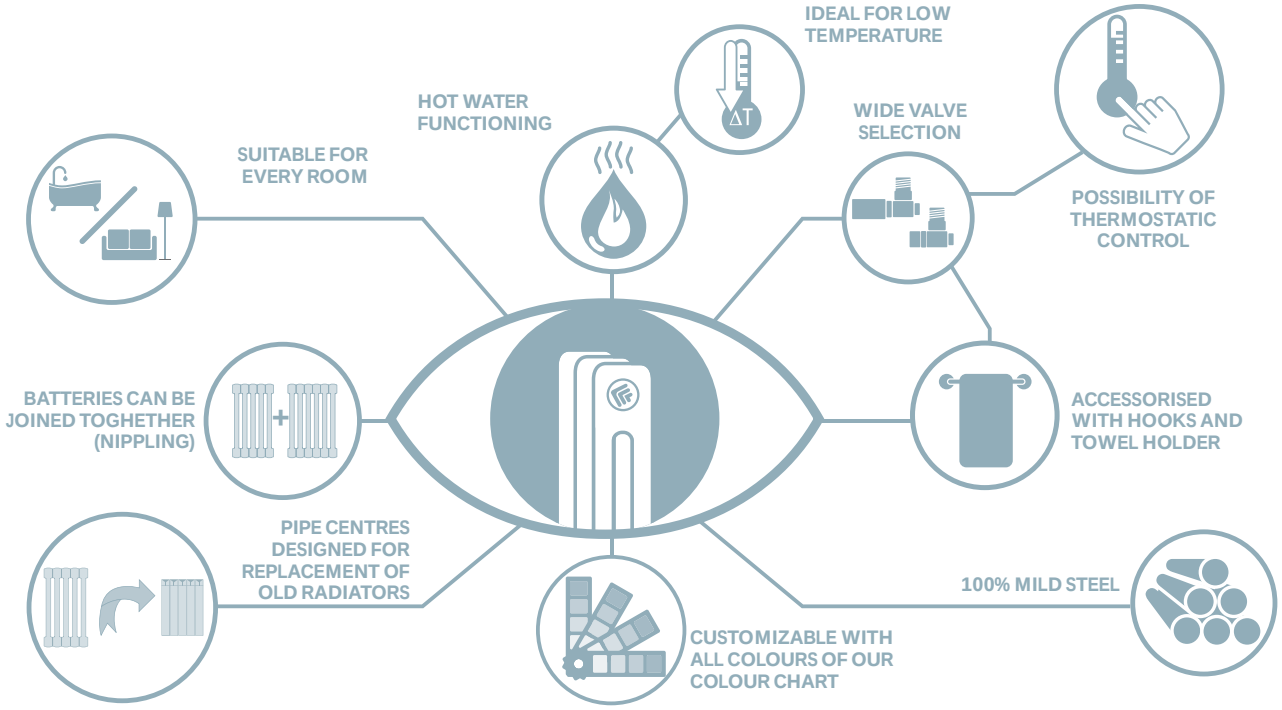
Three-digit value for the type of connection (see page 254)

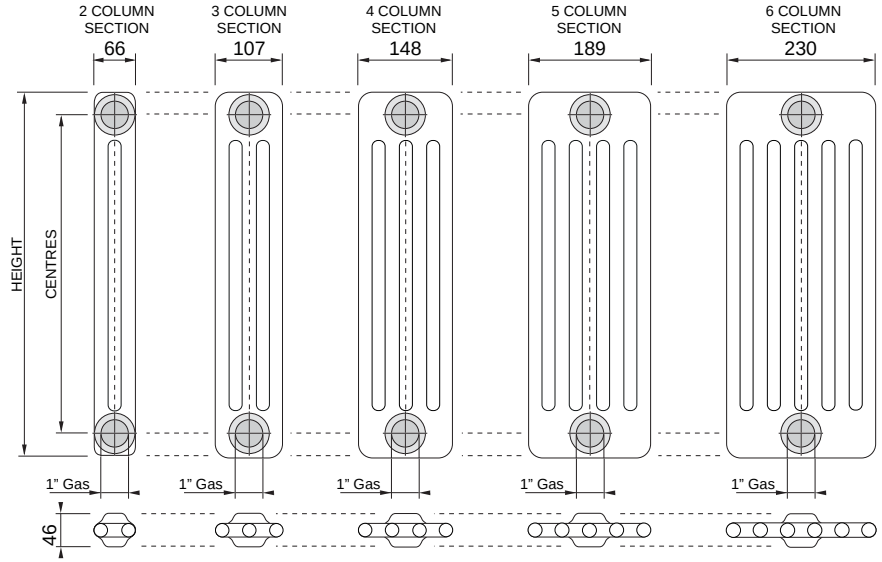
Three-digit value for colour selection (see page 560)

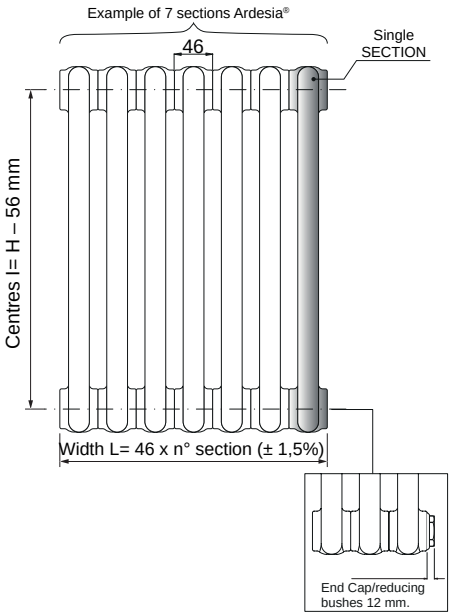
EXAMPLE OF ARTICLE CODE CREATION

In the case of a radiator:
AR3 ARDESIA® 3 COLUMNS
21 21 elements (see the table shown on the side)
0750 Height 750 mm (see the table shown on the side)
D08 connection D8 (see page 254)
R01 colour R01-White (see page 560)
A (Constant value)
The article code will be:
AR3 21 0750 D08 R01 A

ARDESIA® QUICK LOOK





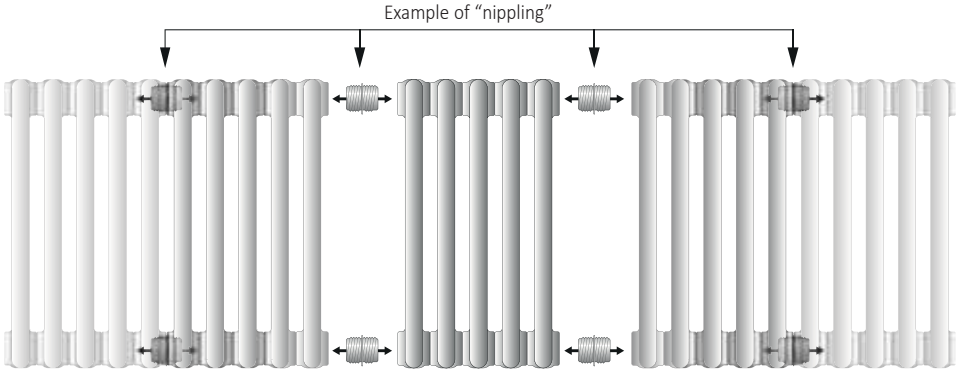


MAXIMUM NUMBER OF SECTIONS WELDED TOGETHER

HEIGHT H	Pipe centres I	N° COLUMNS				
[mm]	[mm]	2	3	4	5	6
207	151	40	40	40	40	40
300	244	40	40	40	40	40
400	344	40	40	40	40	40
500	444	40	40	40	40	40
556	500	40	40	40	40	35
586	530	40	40	40	40	35
600	544	40	40	40	40	35
626	570	40	40	40	36	30
656	600	40	40	40	36	30
676	620	40	40	40	36	30
750	694	40	40	40	33	27
756	700	40	40	40	33	27
786	730	40	40	40	33	27
856	800	40	40	35	28	23
876	820	40	40	35	28	23
900	844	40	35	35	28	23
926	870	40	35	35	28	23
1000	944	40	35	35	25	20
1200	1144	35	35	25	20	15
1500	1444	35	25	20	15	15
1656	1600	35	25	20	15	14
1800	1744	35	22	20	12	10
1856	1800	35	22	20	12	10
2000	1944	30	22	15	12	10
2056	2000	30	22	15	12	10
2200	2144	30	18	15	12	10
2500	2444	25	18	15	12	10

NIPPLING

The number of section/width is virtually unlimited. It is possible, in fact to obtain a bigger number of sections connecting the single radiators together (see Accessories).





Use only Cordivari Nipples.
The use of other nipples does not guarantee the sealing of the radiator and excludes the warranty.

All thebatteries of the same height, can be joined together, starting from a minimum of 3 sections.

In the "joining operation" do not exceed the rate of 10 kg x meter. The special white silicon gasket guarantees a perfect hydraulic seal.

NOTE: ONLY USE CORDIVARI NIPPLES.

CONNECTIONS

To make easier your daily work we have provided the standard configurations with reducing bushes and end caps already mounted. When ordering please specify the desired connection, otherwise, the radiator will be supplied without any configurations.
To order Accessories and fittings please consult page 508

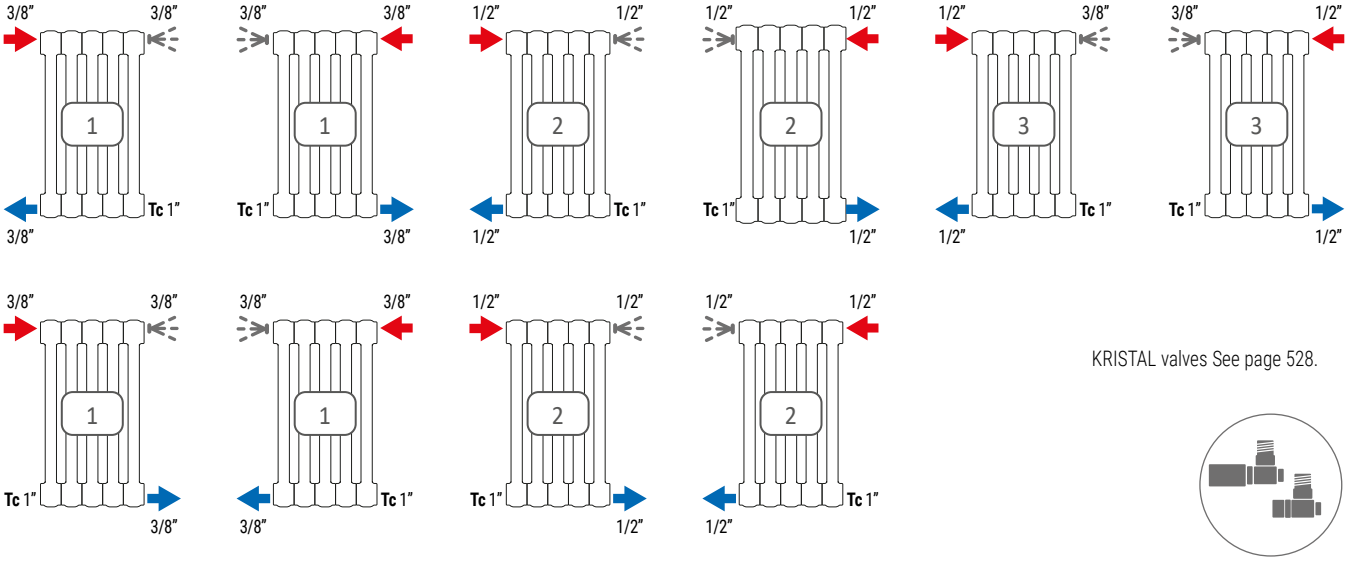
STANDARD CONFIGURATIONS
Standard configurations, "0" one and special executions excluded, include airvent end caps and bushes already mounted. It is necessary to specify the desired combination (example: 1,2,3,8,D,M,AS ecc...).

PLEASE NOTE: besides the configurations hereby presented, all configurations with diameters of 3/4" • 1/2" • 3/8" • 1/4" are available.

LEGENDA			
In		Out	
Airvent		Sleeve 1/2"	
Movable Diverter		Welded Diverter	
Tc	End cap		Thermostatic head
Bidirectional			

SIDE AND OPPOSITE CONNECTIONS

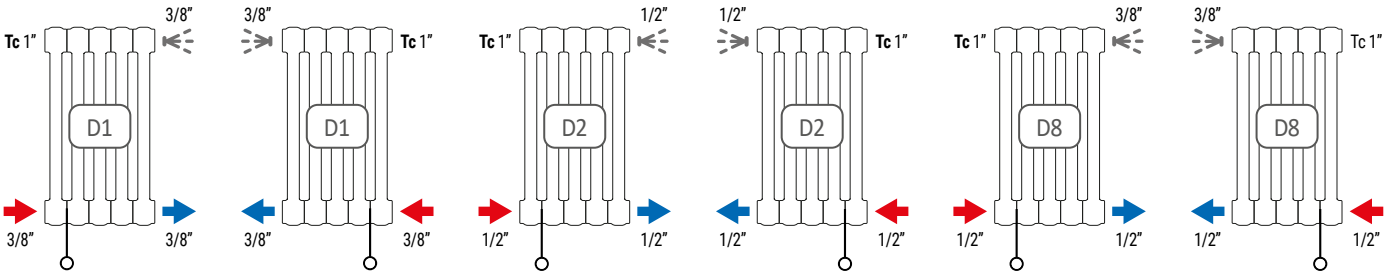
- Airvent included



KRISTAL valves See page 528.

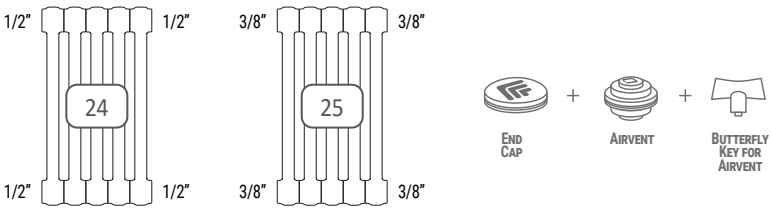
BOTTOM-SIDE CONNECTIONS

Surcharge **Euro 10,90** - Airvent included



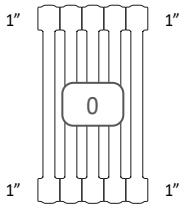
UNIVERSAL CONNECTIONS

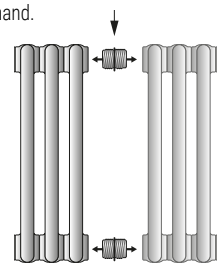
- Airvent included



CONNECTIONS FOR **NIPPLING OPERATION**

4 open connections with 1" threading end cap, reducing bushes and Airvent are supplied separately, on demand.

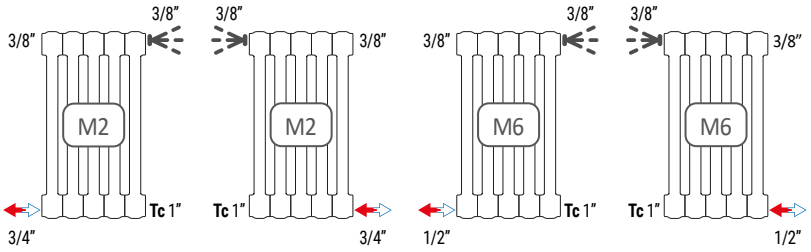




Ideal for wholesalers that wish to have a stock of radiators ready for use.
The "0" connection for nippling operation allows to have batteries of several dimensions and with a basically endless number of heating sections thanks to the joining operation.

BIDIRECTIONAL CONNECTIONS

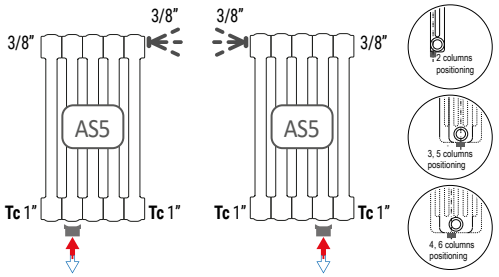
- Airvent included



Valve Bidirectional Kristal Cordivari only for M6 bidirectional connection for batteries from 3 up to 20 sections.(see ACCESSORIES).

BIDIRECTIONAL CONNECTIONS

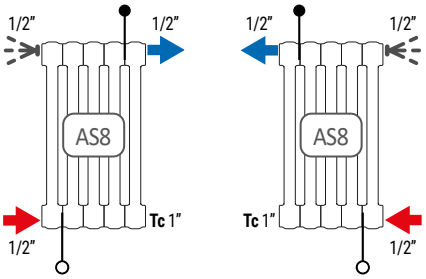
- Airvent included



Bidirectional underneath connection placed on the second section

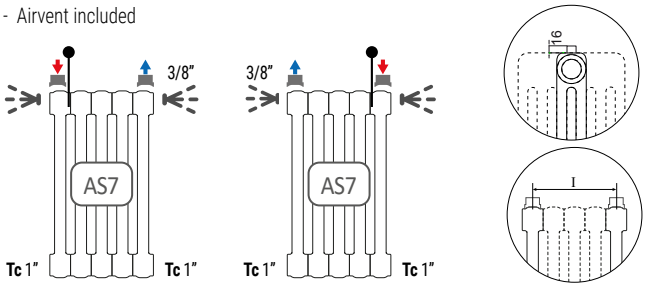
OPPOSITE SPECIAL CONNECTIONS

- Airvent included



WITH UPPER SLEEVES CONNECTIONS

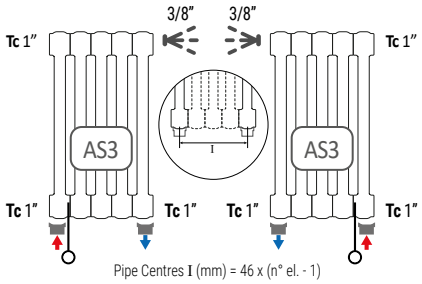
- Airvent included



Pipe Centres I (mm) = 46 x (n° el. - 1)

UNDERNEATH WELDED SLEEVES CONNECTIONS

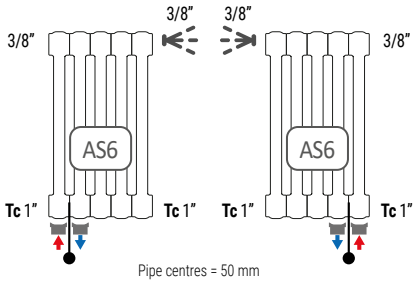
- Airvent included



Pipe Centres I (mm) = 46 x (n° el. - 1)

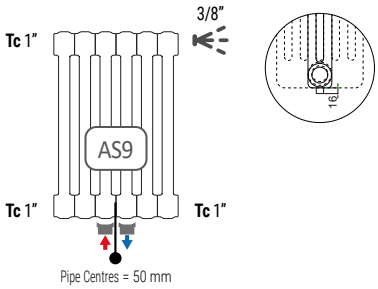
Pipe centres different from standard are available on demand.

- Airvent included



Pipe centres = 50 mm

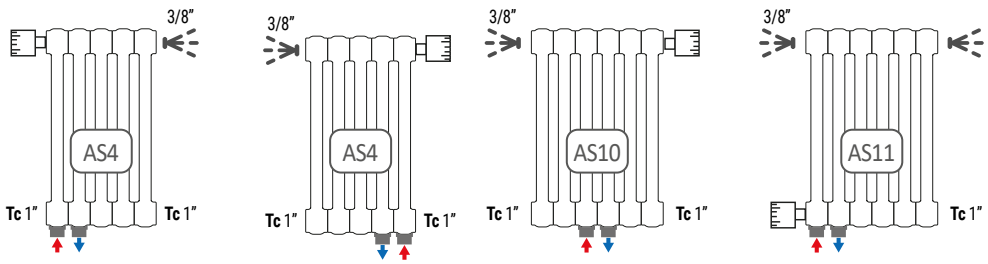
- Airvent included

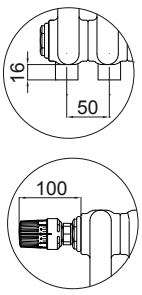


Pipe Centres = 50 mm

(available for even section batteries only)

WELDED UNDERNEATH SLEEVES **WITH PIPE CENTRES 50 MM 1/2'' AND THERMOSTATIC HEAD MOUNTED***





* Valve unit and Liquid thermostatic head Oventrop with liquidfunctioning in accordance with UNI EN 215:2007 regulation.

STANDARD HEIGHTS

TECHNICAL DATA PER SECTION

Height (mm) 207	COLUMNS 2	3	4	5	6
Δt 60 = [W]	22,2	31,5	40,7	50,5	61,9
Δt 50 = [W]	**17,5**	**24,8**	**32,0**	**39,7**	**48,7**
Δt 40 = [W]	13,1	18,5	23,9	29,5	36,3
Δt 30 = [W]	9,0	12,7	16,3	20,1	24,8
Pipe Centres [mm]	**151**				
Water content [lt]	0,29	0,42	0,56	0,70	0,80
Dry Weight [kg]	0,35	0,53	0,71	0,89	1,07
Exp. [n]	1,303	1,314	1,317	1,329	1,318

Height (mm) 300	COLUMNS 2	3	4	5	6
Δt 60 = [W]	32,1	43,7	58,9	71,9	86,1
Δt 50 = [W]	**25,6**	**34,7**	**46,8**	**56,5**	**67,7**
Δt 40 = [W]	19,4	26,1	35,3	42,1	50,4
Δt 30 = [W]	13,5	18,1	24,5	28,8	34,5
Pipe Centres [mm]	**244**				
Water content [lt]	0,37	0,54	0,72	0,90	1,10
Dry Weight [kg]	0,49	0,74	0,99	1,24	1,49
Exp. [n]	1,247	1,273	1,265	1,320	1,322

Height (mm) 400	COLUMNS 2	3	4	5	6
Δt 60 = [W]	41,5	56,9	75,5	92,1	110,9
Δt 50 = [W]	**33,0**	**45,1**	**59,8**	**72,4**	**87,3**
Δt 40 = [W]	24,9	33,8	44,9	53,9	65,1
Δt 30 = [W]	17,3	23,4	31,1	36,8	44,6
Pipe Centres [mm]	**344**				
Water content [lt]	0,45	0,66	0,88	1,10	1,30
Dry Weight [kg]	0,63	0,95	1,27	1,59	1,92
Exp. [n]	1,261	1,284	1,280	1,323	1,313

Height (mm) 500	COLUMNS 2	3	4	5	6
Δt 60 = [W]	50,6	69,9	91,7	111,7	134,7
Δt 50 = [W]	**40,1**	**55,2**	**72,4**	**87,7**	**106,2**
Δt 40 = [W]	30,2	41,4	54,2	65,3	79,3
Δt 30 = [W]	20,9	28,5	37,3	44,6	54,5
Pipe Centres [mm]	**444**				
Water content [lt]	0,53	0,79	1,04	1,30	1,60
Dry Weight [kg]	0,77	1,16	1,55	1,95	2,34
Exp. [n]	1,275	1,296	1,296	1,326	1,305

Height (mm) 600	COLUMNS 2	3	4	5	6
Δt 60 = [W]	59,6	82,8	107,6	130,9	157,6
Δt 50 = [W]	**47,1**	**65,2**	**84,7**	**102,7**	**124,5**
Δt 40 = [W]	35,3	48,7	63,2	76,4	93,2
Δt 30 = [W]	24,4	33,5	43,4	52,1	64,2
Pipe Centres [mm]	**544**				
Water content [lt]	0,61	0,91	1,20	1,50	1,80
Dry Weight [kg]	0,91	1,37	1,84	2,30	2,76
Exp. [n]	1,289	1,307	1,312	1,329	1,296

Height (mm) 750	COLUMNS 2	3	4	5	6
Δt 60 = [W]	73,2	101,9	131,3	159,2	190,7
Δt 50 = [W]	**57,6**	**80,0**	**102,9**	**124,8**	**150,9**
Δt 40 = [W]	43,0	59,6	76,4	92,7	113,3
Δt 30 = [W]	29,5	40,7	52,0	63,1	78,3
Pipe Centres [mm]	**694**				
Water content [lt]	0,73	1,09	1,44	1,80	2,20
Dry Weight [kg]	1,12	1,69	2,26	2,83	3,40
Exp. [n]	1,310	1,325	1,335	1,334	1,284

Height (mm) 900	2 COLUMNS	3 COLUMNS	4 COLUMNS	5 COLUMNS	6 COLUMNS
Δt 60 = [W]	86,9	120,9	154,8	186,9	222,4
Δt 50 = [W]	**68,1**	**94,6**	**120,8**	**146,4**	**176,4**
Δt 40 = [W]	50,6	70,2	89,2	108,6	132,8
Δt 30 = [W]	34,5	47,7	60,4	73,9	92,1
Pipe Centres [mm]	**844**				
Water content [lt]	0,85	1,27	1,68	2,10	2,50
Dry Weight [kg]	1,33	2,01	2,68	3,36	4,03
Exp. [n]	1,331	1,342	1,359	1,339	1,271

Height (mm) 1000	COLUMNS 2	3	4	5	6
Δt 60 = [W]	95,9	133,3	169,9	205,4	244,2
Δt 50 = [W]	**75,2**	**104,3**	**132,7**	**160,6**	**192,9**
Δt 40 = [W]	55,8	77,3	98,1	118,9	144,4
Δt 30 = [W]	38,0	52,5	66,4	80,7	99,5
Pipe Centres [mm]	**944**				
Water content [lt]	0,93	1,39	1,84	2,30	2,80
Dry Weight [kg]	1,48	2,22	2,96	3,71	4,46
Exp. [n]	1,335	1,345	1,355	1,348	1,296

Height (mm) 1200	COLUMNS 2	3	4	5	6
Δt 60 = [W]	114,3	157,9	199,7	242,1	287,1
Δt 50 = [W]	**89,5**	**123,5**	**156,2**	**188,8**	**224,7**
Δt 40 = [W]	66,3	91,3	115,6	139,2	166,5
Δt 30 = [W]	45,1	61,9	78,5	93,9	113,1
Pipe Centres [mm]	**1144**				
Water content [lt]	1,09	1,63	2,17	2,70	3,20
Dry Weight [kg]	1,76	2,64	3,53	4,41	5,30
Exp. [n]	1,343	1,350	1,348	1,366	1,345

Height (mm) 1500	2 COLUMNS	3 COLUMNS	4 COLUMNS	5 COLUMNS	6 COLUMNS
Δt 60 = [W]	142,6	194,6	244,3	297,0	349,7
Δt 50 = [W]	**111,4**	**151,9**	**191,4**	**230,4**	**270,0**
Δt 40 = [W]	82,3	112,2	142,0	168,8	196,8
Δt 30 = [W]	55,8	75,9	96,6	113,1	130,8
Pipe Centres [mm]	**1444**				
Water content [lt]	1,33	1,99	2,65	3,30	4,0
Dry Weight [kg]	2,18	3,28	4,37	5,47	6,57
Exp. [n]	1,355	1,359	1,338	1,393	1,418

Height (mm) 1800	COLUMNS 2	3	4	5	6
Δt 60 = [W]	171,7	230,1	290,1	348,7	403,4
Δt 50 = [W]	**134,1**	**180,2**	**226,6**	**271,6**	**312,7**
Δt 40 = [W]	99,1	133,6	167,6	200,1	229,0
Δt 30 = [W]	67,1	90,8	113,5	134,9	153,2
Pipe Centres [mm]	**1744**				
Water content [lt]	1,58	2,35	3,13	3,91	4,70
Dry Weight [kg]	2,60	3,91	5,22	6,53	7,84
Exp. [n]	1,355	1,341	1,353	1,370	1,396

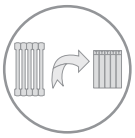
Height (mm) 2000	COLUMNS 2	3	4	5	6
Δt 60 = [W]	191,7	253,6	320,9	382,9	437,2
Δt 50 = [W]	**149,8**	**199,0**	**250,3**	**299,0**	**339,8**
Δt 40 = [W]	110,7	147,9	184,6	221,0	249,7
Δt 30 = [W]	75,0	100,9	124,7	149,6	167,8
Pipe Centres [mm]	**1944**				
Water content [lt]	1,74	2,59	3,45	4,31	5,20
Dry Weight [kg]	2,89	4,33	5,78	7,23	8,69
Exp. [n]	1,355	1,330	1,364	1,356	1,382

Height (mm) 2200	2 COLUMNS	3 COLUMNS	4 COLUMNS	5 COLUMNS	6 COLUMNS
Δt 60 = [W]	212,3	276,9	352,1	416,7	469,6
Δt 50 = [W]	**165,9**	**217,8**	**274,1**	**326,4**	**366,0**
Δt 40 = [W]	122,6	162,3	201,7	242,0	269,7
Δt 30 = [W]	83,0	111,1	135,9	164,6	182,0
Pipe Centres [mm]	**2144**				
Water content [lt]	1,90	2,83	3,77	4,71	5,60
Dry Weight [kg]	3,17	4,76	6,35	7,94	9,53
Exp. [n]	1,355	1,318	1,374	1,341	1,367

Height (mm) 2500	COLUMNS 2	3	4	5	6
Δt 60 = [W]	244,4	311,7	399,6	467,2	515,6
Δt 50 = [W]	**190,9**	**245,9**	**310,2**	**367,4**	**403,4**
Δt 40 = [W]	141,1	184,0	227,5	273,8	298,8
Δt 30 = [W]	95,5	126,6	152,5	187,4	202,9
Pipe Centres [mm]	**2444**				
Water content [lt]	2,14	3,19	4,25	5,31	6,40
Dry Weight [kg]	3,59	5,39	7,19	9,00	10,80
Exp. [n]	1,355	1,301	1,389	1,318	1,345

HEIGHTS FOR **REPLACEMENT**

TECHNICAL DATA PER SECTION



Height (mm) 676	COLUMNS 2	3	4	5	6
Δt 60 = [W]	66,5	92,5	119,6	145,3	174,6
Δt 50 = [W]	**52,4**	**72,8**	**94,0**	**114,0**	**138,0**
Δt 40 = [W]	39,2	54,3	70,0	84,7	103,5
Δt 30 = [W]	27,0	37,2	47,8	57,7	71,4
Pipe Centres [mm]	620				
Water content [lt]	0,67	1,00	1,32	1,65	2,00
Dry Weight [kg]	1,02	1,53	2,05	2,57	3,09
Exp. [n]	1,299	1,316	1,324	1,332	1,290

Height (mm) 876	COLUMNS 2	3	4	5	6
Δt 60 = [W]	84,7	117,8	151,0	182,5	217,4
Δt 50 = [W]	**66,5**	**92,3**	**118,0**	**143,0**	**172,4**
Δt 40 = [W]	49,4	68,5	87,2	106,1	129,7
Δt 30 = [W]	33,7	46,6	59,1	72,2	90,0
Pipe Centres [mm]	820				
Water content [lt]	0,83	1,24	1,65	2,05	2,50
Dry Weight [kg]	1,30	1,96	2,61	3,27	3,93
Exp. [n]	1,327	1,339	1,355	1,338	1,273

Height (mm) 556	COLUMNS 2	3	4	5	6
Δt 60 = [W]	55,6	77,2	100,6	122,5	147,6
Δt 50 = [W]	**44,0**	**60,9**	**79,3**	**96,2**	**116,5**
Δt 40 = [W]	33,1	45,5	59,3	71,5	87,1
Δt 30 = [W]	22,9	31,3	40,7	48,8	60,0
Pipe Centres [mm]	500				
Water content [lt]	0,58	0,85	1,13	1,41	1,70
Dry Weight [kg]	0,85	1,28	1,71	2,14	2,58
Exp. [n]	1,283	1,302	1,305	1,328	1,300

Height (mm) 656	COLUMNS 2	3	4	5	6
Δt 60 = [W]	64,7	90,0	116,5	141,5	170,2
Δt 50 = [W]	**51,0**	**70,8**	**91,6**	**111,0**	**134,5**
Δt 40 = [W]	38,2	52,8	68,2	82,5	100,8
Δt 30 = [W]	26,3	36,2	46,6	56,3	69,5
Pipe Centres [mm]	600				
Water content [lt]	0,66	0,97	1,29	1,61	1,90
Dry Weight [kg]	0,99	1,49	1,99	2,50	3,00
Exp. [n]	1,297	1,314	1,320	1,331	1,292

Height (mm) 756	COLUMNS 2	3	4	5	6
Δt 60 = [W]	73,7	102,7	132,2	160,3	192,0
Δt 50 = [W]	**58,0**	**80,6**	**103,6**	**125,7**	**152,0**
Δt 40 = [W]	43,3	60,0	76,9	93,3	114,1
Δt 30 = [W]	29,7	41,0	52,4	63,6	78,9
Pipe Centres [mm]	700				
Water content [lt]	0,74	1,09	1,45	1,81	2,20
Dry Weight [kg]	1,13	1,70	2,28	2,85	3,42
Exp. [n]	1,311	1,325	1,336	1,335	1,283

Height (mm) 856	COLUMNS 2	3	4	5	6
Δt 60 = [W]	82,8	115,3	147,9	178,8	213,2
Δt 50 = [W]	**65,1**	**90,4**	**115,6**	**140,1**	**169,0**
Δt 40 = [W]	48,4	67,1	85,5	103,9	127,2
Δt 30 = [W]	33,1	45,7	58,0	70,7	88,1
Pipe Centres [mm]	800				
Water content [lt]	0,82	1,21	1,61	2,01	2,40
Dry Weight [kg]	1,27	1,91	2,56	3,20	3,85
Exp. [n]	1,324	1,337	1,352	1,338	1,275

Height (mm) 1656	COLUMNS 2	3	4	5	6
Δt 60 = [W]	157,6	213,2	268,0	324,0	378,0
Δt 50 = [W]	**123,1**	**166,7**	**209,7**	**251,9**	**292,5**
Δt 40 = [W]	91,0	123,3	155,3	185,1	213,7
Δt 30 = [W]	61,6	83,6	105,5	124,4	142,6
Pipe Centres [mm]	1600				
Water content [lt]	1,46	2,18	2,90	3,62	4,36
Dry Weight [kg]	2,40	3,61	4,81	6,02	7,23
Exp. [n]	1,355	1,350	1,346	1,381	1,407

Height (mm) 1856	COLUMNS 2	3	4	5	6
Δt 60 = [W]	177,2	236,6	298,7	358,3	413,0
Δt 50 = [W]	**138,4**	**185,5**	**233,3**	**279,3**	**320,4**
Δt 40 = [W]	102,3	137,6	172,3	205,9	234,8
Δt 30 = [W]	69,3	93,6	116,7	139,0	157,3
Pipe Centres [mm]	1800				
Water content [lt]	1,62	2,42	3,22	4,02	4,84
Dry Weight [kg]	2,69	4,04	5,40	6,75	8,11
Exp. [n]	1,355	1,338	1,356	1,366	1,392

Height (mm) 2056	COLUMNS 2	3	4	5	6
Δt 60 = [W]	197,4	260,1	329,6	392,4	446,4
Δt 50 = [W]	**154,2**	**204,3**	**256,9**	**306,7**	**347,2**
Δt 40 = [W]	114,0	151,9	189,4	226,9	255,3
Δt 30 = [W]	77,2	103,7	127,8	153,8	171,8
Pipe Centres [mm]	2000				
Water content [lt]	1,78	2,66	3,54	4,42	5,29
Dry Weight [kg]	2,98	4,47	5,96	7,45	8,95
Exp. [n]	1,355	1,326	1,366	1,351	1,378

Height (mm) 586	COLUMNS 2	3	4	5	6
Δt 60 = [W]	58,3	81,0	105,4	128,3	154,5
Δt 50 = [W]	**46,1**	**63,8**	**83,0**	**100,7**	**121,9**
Δt 40 = [W]	34,6	47,7	62,0	74,8	91,3
Δt 30 = [W]	23,9	32,8	42,5	51,1	62,8
Pipe Centres [mm]	530				
Water content [lt]	0,60	0,89	1,18	1,47	1,77
Dry Weight [kg]	0,89	1,34	1,79	2,24	2,70
Exp. [n]	1,287	1,306	1,309	1,329	1,298

Height (mm) 626	COLUMNS 2	3	4	5	6
Δt 60 = [W]	61,9	86,1	111,7	135,9	163,5
Δt 50 = [W]	**48,9**	**67,8**	**87,9**	**106,6**	**129,1**
Δt 40 = [W]	36,7	50,6	65,5	79,2	96,7
Δt 30 = [W]	25,3	34,7	44,9	54,0	66,7
Pipe Centres [mm]	570				
Water content [lt]	0,63	0,94	1,24	1,55	1,85
Dry Weight [kg]	0,95	1,43	1,91	2,39	2,87
Exp. [n]	1,292	1,310	1,316	1,330	1,294

Height (mm) 786	COLUMNS 2	3	4	5	6
Δt 60 = [W]	76,4	106,5	136,9	165,9	198,4
Δt 50 = [W]	**60,1**	**83,6**	**107,2**	**130,0**	**157,1**
Δt 40 = [W]	44,9	62,1	79,5	96,5	118,1
Δt 30 = [W]	30,7	42,4	54,1	65,7	81,7
Pipe Centres [mm]	730				
Water content [lt]	0,76	1,13	1,50	1,87	2,25
Dry Weight [kg]	1,18	1,77	2,37	2,97	3,56
Exp. [n]	1,315	1,329	1,341	1,335	1,281

Height (mm) 926	COLUMNS 2	3	4	5	6
Δt 60 = [W]	89,2	124,1	158,7	191,7	228,1
Δt 50 = [W]	**70,0**	**97,2**	**123,9**	**150,1**	**180,7**
Δt 40 = [W]	52,0	72,0	91,5	111,3	135,9
Δt 30 = [W]	35,4	48,9	61,9	75,6	94,1
Pipe Centres [mm]	870				
Water content [lt]	0,78	1,26	1,70	2,13	2,56
Dry Weight [kg]	1,29	1,95	2,60	3,26	3,92
Exp. [n]	1,332	1,343	1,358	1,342	1,277

Pipe Centres for replacing CAST IRON radiators

Pipe Centres for replacing ALUMINIUM radiators

Pipe Centres for replacing LAMELLAR and PANEL radiators



ARDESIA®
2 COLUMNS

page 12

WARRANTY
5 YEARS

Functioning:	hot water

Maximun working pressure	10 bar
Testing conditions	13 bar

Maximum temperature	110°C
Minimum flow in % of the nominal flow rate:	18

Hub	1"
Section width	46 mm

MATERIAL:
• Pressed heads in carbon steel sheet.
• Welded carbon steel tube ø 25 mm.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled carton. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Standard white RAL 9010 - R01. Other colours see page 560.

CERTIFICATIONS

CE

EURONORM EN 442-1 RADIATORS AND CONVECTORS

HOW TO ORDER **ARDESIA® 2 COLUMNS**

ARTICLE NR. STRUCTURE

Model and nr COLUMNS	Elements nr.	Height in mm	Article code of the connection	Article code of the colour	Constant value
AAA	BB	CCCC	DDD	EEE	A

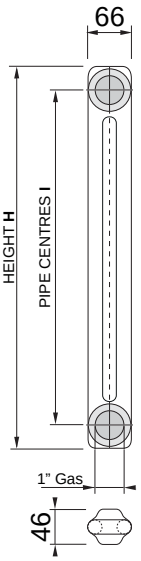
EXAMPLE

Model and nr COLUMNS E.g.: Ardesia® 2 COLUMNS	Numero elements E.g.: 19 elements	Height in mm Example: 207 mm	Article code of the connection Example: connection D1	Article code of the colour Example: H48-Dove	Constant value
AR2	19	0207	D01	H48	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AR2 ARDESIA® 2 COLUMNS
19 19 elements (see the table shown on the side)
0207 Height 207 mm (see the table shown on the side)
D01 connection D1 (see page 254)
H48 colour H48-Dove (see page 560)
A (Constant value)
The article code will be:
AR2 19 0207 D01 H48 A

TECHNICAL DATA PER SECTION

Height H [mm]	207	300	400	500	600	750	900	1000	1200	1500	1800	2000	2200	2500
Pipe Centres I [mm]	151	244	344	444	544	694	844	944	1144	1444	1744	1944	2144	2444
(90/70/20°C) ΔT 60 = W	22,2	32,1	41,5	50,6	59,6	73,2	86,9	95,9	114,3	142,6	171,7	191,7	212,3	244,4
(75/65/20°C) ΔT 50 = W	**17,5**	**25,6**	**33**	**40,1**	**47,1**	**57,6**	**68,1**	**75,2**	**89,5**	**111,4**	**134,1**	**149,8**	**165,9**	**190,9**
(65/55/20°C) ΔT 40 = W	13,1	19,4	24,9	30,2	35,3	43	50,6	55,8	66,3	82,3	99,1	110,7	122,6	141,1
(55/45/20°C) ΔT 30 = W	9	13,5	17,3	20,9	24,4	29,5	34,5	38	45,1	55,8	67,1	75	83	95,5
Water Content [lt]	0,29	0,37	0,45	0,53	0,61	0,73	0,85	0,93	1,09	1,33	1,58	1,74	1,9	2,14
Dry Weight [kg]	0,35	0,49	0,63	0,77	0,91	1,12	1,33	1,48	1,76	2,18	2,6	2,89	3,17	3,59
Exp. [n]	1,303	1,247	1,261	1,275	1,289	1,31	1,331	1,335	1,343	1,355	1,355	1,355	1,355	1,355
Nominal flow rate [kg/h]	1,5	2,2	2,8	3,4	4,1	5	5,9	6,5	7,7	9,6	11,5	12,9	14,3	16,4
Radiation quote [%]	30	25	25	25	24	24	24	24	23	23	22	22	22	22
Surface [m²]	0,03	0,05	0,06	0,08	0,09	0,12	0,14	0,15	0,18	0,23	0,28	0,31	0,34	0,38



2 COLUMNS STANDARD HEIGHTS

ardesia

N° OF SECTIONS / WIDTH [mm]		HEIGHTS [mm]													
		207	300	400	500	600	750	900	1000	1200	1500	1800	2000	2200	2500
3															
138 mm	W	53	77	99	120	141	173	204	226	269	334	402	449	498	573
4															
184 mm	W	70	102	132	160	188	230	272	301	358	446	536	599	664	764
5															
230 mm	W	88	128	165	201	236	288	341	376	448	557	671	749	830	955
6															
276 mm	W	105	154	198	241	283	346	409	451	537	668	805	899	995	1145
7															
322 mm	W	123	179	231	281	330	403	477	526	627	780	939	1049	1161	1336
8															
368 mm	W	140	205	264	321	377	461	545	602	716	891	1073	1198	1327	1527
9															
414 mm	W	158	230	297	361	424	518	613	677	806	1003	1207	1348	1493	1718
10															
460 mm	W	175	256	330	401	471	576	681	752	895	1114	1341	1498	1659	1909
11															
506 mm	W	193	282	363	441	518	634	749	827	985	1225	1475	1648	1825	2100
12															
552 mm	W	210	307	396	481	565	691	817	902	1074	1337	1609	1798	1991	2291
13															
598 mm	W	228	333	429	521	612	749	885	978	1164	1448	1743	1947	2157	2482
14															
644 mm	W	245	358	462	561	659	806	953	1053	1253	1560	1877	2097	2323	2673
15															
690 mm	W	263	384	495	602	707	864	1022	1128	1343	1671	2012	2247	2489	2864
16															
736 mm	W	280	410	528	642	754	922	1090	1203	1432	1782	2146	2397	2654	3054
17															
782 mm	W	298	435	561	682	801	979	1158	1278	1522	1894	2280	2547	2820	3245
18															
828 mm	W	315	461	594	722	848	1037	1226	1354	1611	2005	2414	2696	2986	3436
19															
874 mm	W	333	486	627	762	895	1094	1294	1429	1701	2117	2548	2846	3152	3627
20															
920 mm	W	350	512	660	802	942	1152	1362	1504	1790	2228	2682	2996	3318	3818
21															
966 mm	W	368	538	693	842	989	1210	1430	1579	1880	2339	2816	3146	3484	4009
22															
1012 mm	W	385	563	726	882	1036	1267	1498	1654	1969	2451	2950	3296	3650	4200
23															
1058 mm	W	403	589	759	922	1083	1325	1566	1730	2059	2562	3084	3445	3816	4391
24															
1104 mm	W	420	614	792	962	1130	1382	1634	1805	2148	2674	3218	3595	3982	4582
25															
1150 mm	W	438	640	825	1003	1178	1440	1703	1880	2238	2785	3353	3745	4148	4773
26															
1196 mm	W	455	666	858	1043	1225	1498	1771	1955	2327	2896	3487	3895	4313	4963
27															
1242 mm	W	473	691	891	1083	1272	1555	1839	2030	2417	3008	3621	4045	4479	5154
28															
1288 mm	W	490	717	924	1123	1319	1613	1907	2106	2506	3119	3755	4194	4645	5345
29															
1344 mm	W	508	742	957	1163	1366	1670	1975	2181	2596	3231	3889	4344	4811	5536
30															
1380 mm	W	525	768	990	1203	1413	1728	2043	2256	2685	3342	4023	4494	4977	5727
31															
1426 mm	W	543	794	1023	1243	1460	1786	2111	2331	2775	3453	4157	4644	5143	5918
32															
1472 mm	W	560	819	1056	1283	1507	1843	2179	2406	2864	3565	4291	4794	5309	6109
33															
1518 mm	W	578	845	1089	1323	1554	1901	2247	2482	2954	3676	4425	4943	5475	6300
34															
1564 mm	W	595	870	1122	1363	1601	1958	2315	2557	3043	3788	4559	5093	5641	6491
35															
1610 mm	W	613	896	1155	1404	1649	2016	2384	2632	3133	3899	4694	5243	5807	6682
36															
1656 mm	W	630	922	1188	1444	1696	2074	2452	2707	3222	4010	4828	5393	5972	6872
37															
1702 mm	W	648	947	1221	1484	1743	2131	2520	2782	3312	4122	4962	5543	6138	7063
38															
1748 mm	W	665	973	1254	1524	1790	2189	2588	2858	3401	4233	5096	5692	6304	7254
39															
1794 mm	W	683	998	1287	1564	1837	2246	2656	2933	3491	4345	5230	5842	6470	7445
40															
1840 mm	W	700	1024	1320	1604	1884	2304	2724	3008	3580	4456	5364	5992	6636	7636

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nippling operation) with lock key smaller than 1 mt.
Each couple of batteries inclusive of 2 nipples and 2 seals. For batteries with more than 85 sections with lateral connection, see probes kit at page 539

CORDIVARI



ARDESIA®
3 COLUMNS

page 14

WARRANTY
5 YEARS

Functioning:	hot water
	Electric (see page 332)

Maximun working pressure	10 bar
Testing conditions	13 bar

Maximum temperature	110°C
Minimum flow in % of the nominal flow rate:	18

Hub	1"
Section width	46 mm

MATERIAL:
• Pressed heads in carbon steel sheet.
• Welded carbon steel tube ø 25 mm.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled carton. User notice included.

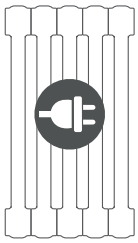
PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Standard white RAL 9010 - R01. Other colours see page 560.

CERTIFICATIONS

CE

EURONORM EN 442-1 RADIATORS AND CONVECTORS



ELECTRIC VERSION AVAILABLE.
SEE PAGE 342

HOW TO ORDER **ARDESIA® 3 COLUMNS**

ARTICLE NR. STRUCTURE

Model and nr COLUMNS	Elements nr.	Height in mm	Article code of the connection	Article code of the colour	Constant value
AAA	BB	CCCC	DDD	EEE	A

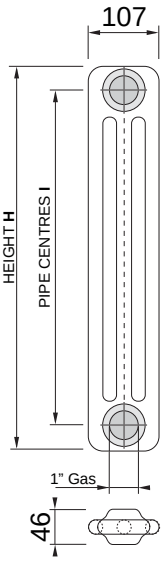
EXAMPLE

Model and nr COLUMNS E.g.: Ardesia® 3 COLUMNS	Numero elements E.g.: 21 elements	Height in mm Example: 750 mm	Article code of the connection Example: connection D8	Article code of the colour Example: R01-White	Constant value
AR3	21	0750	D08	R01	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AR3 ARDESIA® 3 COLUMNS
21 21 elements (see the table shown on the side)
0750 Height 750 mm (see the table shown on the side)
D08 connection D8 (see page 254)
R01 colour R01-White (see page 560)
A (Constant value)
The article code will be:
AR3 21 0750 D08 R01 A

TECHNICAL DATA PER SECTION

Height H [mm]	207	300	400	500	600	750	900	1000	1200	1500	1800	2000	2200	2500
Pipe Centres I [mm]	151	244	344	444	544	694	844	944	1144	1444	1744	1944	2144	2444
(90/70/20°C) ΔT 60 = W	31,5	43,7	56,9	69,9	82,8	101,9	120,9	133,3	157,9	194,6	230,1	253,6	276,9	311,7
(75/65/20°C) ΔT 50 = W	**24,8**	**34,7**	**45,1**	**55,2**	**65,2**	**80**	**94,6**	**104,3**	**123,5**	**151,9**	**180,2**	**199**	**217,8**	**245,9**
(65/55/20°C) ΔT 40 = W	18,5	26,1	33,8	41,4	48,7	59,6	70,2	77,3	91,3	112,2	133,6	147,9	162,3	184
(55/45/20°C) ΔT 30 = W	12,7	18,1	23,4	28,5	33,5	40,7	47,7	52,5	61,9	75,9	90,8	100,9	111,1	126,6
Water Content [lt]	0,42	0,54	0,66	0,79	0,91	1,09	1,27	1,39	1,63	1,99	2,35	2,59	2,83	3,19
Dry Weight [kg]	0,53	0,74	0,95	1,16	1,37	1,69	2,01	2,22	2,64	3,28	3,91	4,33	4,76	5,39
Exp. [n]	1,314	1,273	1,284	1,296	1,307	1,325	1,342	1,345	1,35	1,359	1,341	1,33	1,318	1,301
Nominal flow rate [kg/h]	2,1	3	3,9	4,7	5,6	6,9	8,1	9	10,6	13,1	15,5	17,1	18,7	21,1
Radiation quote [%]	23	23	23	22	22	21	21	21	21	20	20	19	19	18
Surface [m²]	0,05	0,07	0,1	0,12	0,14	0,18	0,21	0,23	0,28	0,35	0,41	0,46	0,5	0,57



3 COLUMNS STANDARD HEIGHTS

ardesia

N° OF SECTIONS / WIDTH [mm]		HEIGHTS [mm]													
		207	300	400	500	600	750	900	1000	1200	1500	1800	2000	2200	2500
3															
138 mm	W	74	104	135	166	196	240	284	313	371	456	541	597	653	738
4															
184 mm	W	99	139	180	221	261	320	378	417	494	608	721	796	871	984
5															
230 mm	W	124	174	226	276	326	400	473	522	618	760	901	995	1089	1230
6															
276 mm	W	149	208	271	331	391	480	568	626	741	911	1081	1194	1307	1475
7															
322 mm	W	174	243	316	386	456	560	662	730	865	1063	1261	1393	1525	1721
8															
368 mm	W	198	278	361	442	522	640	757	834	988	1215	1442	1592	1742	1967
9															
414 mm	W	223	312	406	497	587	720	851	939	1112	1367	1622	1791	1960	2213
10															
460 mm	W	248	347	451	552	652	800	946	1043	1235	1519	1802	1990	2178	2459
11															
506 mm	W	273	382	496	607	717	880	1041	1147	1359	1671	1982	2189	2396	2705
12															
552 mm	W	298	416	541	662	782	960	1135	1252	1482	1823	2162	2388	2614	2951
13															
598 mm	W	322	451	586	718	848	1040	1230	1356	1606	1975	2343	2587	2831	3197
14															
644 mm	W	347	486	631	773	913	1120	1324	1460	1729	2127	2523	2786	3049	3443
15															
690 mm	W	372	521	677	828	978	1200	1419	1565	1853	2279	2703	2985	3267	3689
16															
736 mm	W	397	555	722	883	1043	1280	1514	1669	1976	2430	2883	3184	3485	3934
17															
782 mm	W	422	590	767	938	1108	1360	1608	1773	2100	2582	3063	3383	3703	4180
18															
828 mm	W	446	625	812	994	1174	1440	1703	1877	2223	2734	3244	3582	3920	4426
19															
874 mm	W	471	659	857	1049	1239	1520	1797	1982	2347	2886	3424	3781	4138	4672
20															
920 mm	W	496	694	902	1104	1304	1600	1892	2086	2470	3038	3604	3980	4356	4918
21															
966 mm	W	521	729	947	1159	1369	1680	1987	2190	2594	3190	3784	4179	4574	5164
22															
1012 mm	W	546	763	992	1214	1434	1760	2081	2295	2717	3342	3964	4378	4792	5410
23															
1058 mm	W	570	798	1037	1270	1500	1840	2176	2399	2841	3494	4145	4577	5009	5656
24															
1104 mm	W	595	833	1082	1325	1565	1920	2270	2503	2964	3646	4325	4776	5227	5902
25															
1150 mm	W	620	868	1128	1380	1630	2000	2365	2608	3088	3798	4505	4975	5445	6148
26															
1196 mm	W	645	902	1173	1435	1695	2080	2460	2712	3211	3949	4685	5174	5663	6393
27															
1242 mm	W	670	937	1218	1490	1760	2160	2554	2816	3335	4101	4865	5373	5881	6639
28															
1288 mm	W	694	972	1263	1546	1826	2240	2649	2920	3458	4253	5046	5572	6098	6885
29															
1344 mm	W	719	1006	1308	1601	1891	2320	2743	3025	3582	4405	5226	5771	6316	7131
30															
1380 mm	W	744	1041	1353	1656	1956	2400	2838	3129	3705	4557	5406	5970	6534	7377
31															
1426 mm	W	769	1076	1398	1711	2021	2480	2933	3233	3829	4709	5586	6169	6752	7623
32															
1472 mm	W	794	1110	1443	1766	2086	2560	3027	3338	3952	4861	5766	6368	6970	7869
33															
1518 mm	W	818	1145	1488	1822	2152	2640	3122	3442	4076	5013	5947	6567	7187	8115
34															
1564 mm	W	843	1180	1533	1877	2217	2720	3216	3546	4199	5165	6127	6766	7405	8361
35															
1610 mm	W	868	1215	1579	1932	2282	2800	3311	3651	4323	5317	6307	6965	7623	8607
36															
1656 mm	W	893	1249	1624	1987	2347	2880	3406	3755	4446	5468	6487	7164	7841	8852
37															
1702 mm	W	918	1284	1669	2042	2412	2960	3500	3859	4570	5620	6667	7363	8059	9098
38															
1748 mm	W	942	1319	1714	2098	2478	3040	3595	3963	4693	5772	6848	7562	8276	9344
39															
1794 mm	W	967	1353	1759	2153	2543	3120	3689	4068	4817	5924	7028	7761	8494	9590
40															
1840 mm	W	992	1388	1804	2208	2608	3200	3784	4172	4940	6076	7208	7960	8712	9836

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nippling operation) with lock key smaller than 1 mt.
Each couple of batteries inclusive of 2 nipples and 2 seals. For batteries with more than 83 sections with lateral connection, see probes kit at page 539

CORDIVARI



ARDESIA®
4 COLUMNS

page16

WARRANTY
5 YEARS

Functioning:	hot water

Maximun working pressure	10 bar
Testing conditions	13 bar

Maximum temperature	110°C
Minimum flow in % of the nominal flow rate:	18

Hub	1"
Section width	46 mm

MATERIAL:
• Pressed heads in carbon steel sheet.
• Welded carbon steel tube ø 25 mm.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled carton. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Standard white RAL 9010 - R01. Other colours see page 560.

CERTIFICATIONS

CE

EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

HOW TO ORDER **ARDESIA® 4 COLUMNS**

ARTICLE NR. STRUCTURE

Model and nr COLUMNS	Elements nr.	Height in mm	Article code of the connection	Article code of the colour	Constant value
AAA	BB	CCCC	DDD	EEE	A

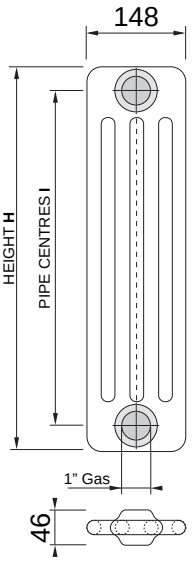
EXAMPLE

Model and nr COLUMNS E.g.: Ardesia® 4 COLUMNS	Numero elements E.g.: 12 elements	Height in mm Example: 1200 mm	Article code of the connection Example: connection M2	Article code of the colour Example: H04 - Ice	Constant value
AR4	12	1200	M02	H04	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AR4 ARDESIA® 4 COLUMNS
12 12 elements (see the table shown on the side)
1200 Height 1200 mm (see the table shown on the side)
M02 connection M2 (see page 254)
H04 colour H04-Ice(see page 560)
A (Constant value)
The article code will be:
AR4 12 1200 M02 H04 A

TECHNICAL DATA PER SECTION

Height H [mm]	207	300	400	500	600	750	900	1000	1200	1500	1800	2000	2200	2500
Pipe Centres I [mm]	151	244	344	444	544	694	844	944	1144	1444	1744	1944	2144	2444
(90/70/20°C) ΔT 60 = W	40,7	58,9	75,5	91,7	107,6	131,3	154,8	169,9	199,7	244,3	290,1	320,9	352,1	399,6
(75/65/20°C) ΔT 50 = W	**32**	**46,8**	**59,8**	**72,4**	**84,7**	**102,9**	**120,8**	**132,7**	**156,2**	**191,4**	**226,6**	**250,3**	**274,1**	**310,2**
(65/55/20°C) ΔT 40 = W	23,9	35,3	44,9	54,2	63,2	76,4	89,2	98,1	115,6	142	167,6	184,6	201,7	227,5
(55/45/20°C) ΔT 30 = W	16,3	24,5	31,1	37,3	43,4	52	60,4	66,4	78,5	96,6	113,5	124,7	135,9	152,5
Water Content [lt]	0,56	0,72	0,88	1,04	1,2	1,44	1,68	1,84	2,17	2,65	3,13	3,45	3,77	4,25
Dry Weight [kg]	0,71	0,99	1,27	1,55	1,84	2,26	2,68	2,96	3,53	4,37	5,22	5,78	6,35	7,19
Exp. [n]	1,317	1,265	1,28	1,296	1,312	1,335	1,359	1,355	1,348	1,338	1,353	1,364	1,374	1,389
Nominal flow rate [kg/h]	2,8	4	5,1	6,2	7,3	8,8	10,4	11,4	13,4	16,5	19,5	21,5	23,6	26,7
Radiation quote [%]	20	20	19	19	19	19	18	18	18	17	17	16	16	15
Surface [m²]	0,07	0,1	0,13	0,16	0,19	0,23	0,28	0,31	0,37	0,46	0,55	0,61	0,67	0,76



4 COLUMNS STANDARD HEIGHTS

ardesia

N° OF SECTIONS / WIDTH [mm]		HEIGHTS [mm]													
		207	300	400	500	600	750	900	1000	1200	1500	1800	2000	2200	2500
3															
138 mm	W	96	140	179	217	254	309	362	398	469	574	680	751	822	931
4															
184 mm	W	128	187	239	290	339	412	483	531	625	766	906	1001	1096	1241
5															
230 mm	W	160	234	299	362	424	515	604	664	781	957	1133	1252	1371	1551
6															
276 mm	W	192	281	359	434	508	617	725	796	937	1148	1360	1502	1645	1861
7															
322 mm	W	224	328	419	507	593	720	846	929	1093	1340	1586	1752	1919	2171
8															
368 mm	W	256	374	478	579	678	823	966	1062	1250	1531	1813	2002	2193	2482
9															
414 mm	W	288	421	538	652	762	926	1087	1194	1406	1723	2039	2253	2467	2792
10															
460 mm	W	320	468	598	724	847	1029	1208	1327	1562	1914	2266	2503	2741	3102
11															
506 mm	W	352	515	658	796	932	1132	1329	1460	1718	2105	2493	2753	3015	3412
12															
552 mm	W	384	562	718	869	1016	1235	1450	1592	1874	2297	2719	3004	3289	3722
13															
598 mm	W	416	608	777	941	1101	1338	1570	1725	2031	2488	2946	3254	3563	4033
14															
644 mm	W	448	655	837	1014	1186	1441	1691	1858	2187	2680	3172	3504	3837	4343
15															
690 mm	W	480	702	897	1086	1271	1544	1812	1991	2343	2871	3399	3755	4112	4653
16															
736 mm	W	512	749	957	1158	1355	1646	1933	2123	2499	3062	3626	4005	4386	4963
17															
782 mm	W	544	796	1017	1231	1440	1749	2054	2256	2655	3254	3852	4255	4660	5273
18															
828 mm	W	576	842	1076	1303	1525	1852	2174	2389	2812	3445	4079	4505	4934	5584
19															
874 mm	W	608	889	1136	1376	1609	1955	2295	2521	2968	3637	4305	4756	5208	5894
20															
920 mm	W	640	936	1196	1448	1694	2058	2416	2654	3124	3828	4532	5006	5482	6204
21															
966 mm	W	672	983	1256	1520	1779	2161	2537	2787	3280	4019	4759	5256	5756	6514
22															
1012 mm	W	704	1030	1316	1593	1863	2264	2658	2919	3436	4211	4985	5507	6030	6824
23															
1058 mm	W	736	1076	1375	1665	1948	2367	2778	3052	3593	4402	5212	5757	6304	7135
24															
1104 mm	W	768	1123	1435	1738	2033	2470	2899	3185	3749	4594	5438	6007	6578	7445
25															
1150 mm	W	800	1170	1495	1810	2118	2573	3020	3318	3905	4785	5665	6258	6853	7755
26															
1196 mm	W	832	1217	1555	1882	2202	2675	3141	3450	4061	4976	5892	6508	7127	8065
27															
1242 mm	W	864	1264	1615	1955	2287	2778	3262	3583	4217	5168	6118	6758	7401	8375
28															
1288 mm	W	896	1310	1674	2027	2372	2881	3382	3716	4374	5359	6345	7008	7675	8686
29															
1344 mm	W	928	1357	1734	2100	2456	2984	3503	3848	4530	5551	6571	7259	7949	8996
30															
1380 mm	W	960	1404	1794	2172	2541	3087	3624	3981	4686	5742	6798	7509	8223	9306
31															
1426 mm	W	992	1451	1854	2244	2626	3190	3745	4114	4842	5933	7025	7759	8497	9616
32															
1472 mm	W	1024	1498	1914	2317	2710	3293	3866	4246	4998	6125	7251	8010	8771	9926
33															
1518 mm	W	1056	1544	1973	2389	2795	3396	3986	4379	5155	6316	7478	8260	9045	10237
34															
1564 mm	W	1088	1591	2033	2462	2880	3499	4107	4512	5311	6508	7704	8510	9319	10547
35															
1610 mm	W	1120	1638	2093	2534	2965	3602	4228	4645	5467	6699	7931	8761	9594	10857
36															
1656 mm	W	1152	1685	2153	2606	3049	3704	4349	4777	5623	6890	8158	9011	9868	11167
37															
1702 mm	W	1184	1732	2213	2679	3134	3807	4470	4910	5779	7082	8384	9261	10142	11477
38															
1748 mm	W	1216	1778	2272	2751	3219	3910	4590	5043	5936	7273	8611	9511	10416	11788
39															
1794 mm	W	1248	1825	2332	2824	3303	4013	4711	5175	6092	7465	8837	9762	10690	12098
40															
1840 mm	W	1280	1872	2392	2896	3388	4116	4832	5308	6248	7656	9064	10012	10964	12408

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nippling operation) with lock key smaller than 1 mt.
Each couple of batteries inclusive of 2 nipples and 2 seals. For batteries with more than 80 sections with lateral connection, see probes kit at page 539



ARDESIA®
5 COLUMNS

page 18

WARRANTY
5 YEARS

Functioning:	hot water

Maximun working pressure	10 bar
Testing conditions	13 bar

Maximum temperature	110°C
Minimum flow in % of the nominal flow rate:	18

Hub	1"
Section width	46 mm

MATERIAL:
• Pressed heads in carbon steel sheet.
• Welded carbon steel tube ø 25 mm.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled carton. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Standard white RAL 9010 - R01. Other colours see page 560.

CERTIFICATIONS

CE

EUROPEAN NORM EN 442-1 RADIATORS AND CONVECTORS

HOW TO ORDER **ARDESIA® 5 COLUMNS**

ARTICLE NR. STRUCTURE

Model and nr COLUMNS	Elements nr.	Height in mm	Article code of the connection	Article code of the colour	Constant value
AAA	BB	CCCC	DDD	EEE	A

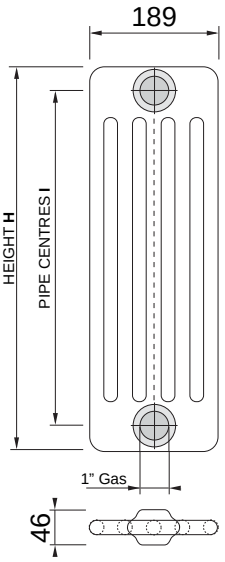
EXAMPLE

Model and nr COLUMNS E.g.: Ardesia® 5 COLUMNS	Numero elements E.g.: 10 elements	Height in mm Example: 1800 mm	Article code of the connection Example: connection AS8	Article code of the colour Example: F37 - Denim Blue	Constant value
AR5	10	1800	AS8	F37	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AR5 ARDESIA® 5 COLUMNS
10 10 elements (see the table shown on the side)
1800 Height 1800 mm (see the table shown on the side)
AS8 connection AS8 (see page 254)
F37 colour F37 - Denim Blue(see page 560)
A (Constant value)
The article code will be:
AR5 10 1800 AS8 F37 A

TECHNICAL DATA PER SECTION

Height H [mm]	207	300	400	500	600	750	900	1000	1200	1500	1800	2000	2200	2500
Pipe Centres I [mm]	151	244	344	444	544	694	844	944	1144	1444	1744	1944	2144	2444
(90/70/20°C) ΔT 60 = W	50,5	71,9	92,1	111,7	130,9	159,2	186,9	205,4	242,1	297	348,7	382,9	416,7	467,2
(75/65/20°C) ΔT 50 = W	**39,7**	**56,5**	**72,4**	**87,7**	**102,7**	**124,8**	**146,4**	**160,6**	**188,8**	**230,4**	**271,6**	**299**	**326,4**	**367,4**
(65/55/20°C) ΔT 40 = W	29,5	42,1	53,9	65,3	76,4	92,7	108,6	118,9	139,2	168,8	200,1	221	242	273,8
(55/45/20°C) ΔT 30 = W	20,1	28,8	36,8	44,6	52,1	63,1	73,9	80,7	93,9	113,1	134,9	149,6	164,6	187,4
Water Content [lt]	0,7	0,9	1,1	1,3	1,5	1,8	2,1	2,3	2,7	3,3	3,91	4,31	4,71	5,31
Dry Weight [kg]	0,89	1,24	1,59	1,95	2,3	2,83	3,36	3,71	4,41	5,47	6,53	7,23	7,94	9
Exp. [n]	1,329	1,32	1,323	1,326	1,329	1,334	1,339	1,348	1,366	1,393	1,37	1,356	1,341	1,318
Nominal flow rate [kg/h]	3,4	4,9	6,2	7,5	8,8	10,7	12,6	13,8	16,2	19,8	23,4	25,7	28,1	31,6
Radiation quote [%]	19	19	18	18	18	18	17	17	16	16	15	14	14	13
Surface [m²]	0,09	0,12	0,16	0,2	0,24	0,29	0,35	0,39	0,46	0,58	0,69	0,77	0,84	0,95



5 COLUMNS STANDARD HEIGHTS

ardesia

N° OF SECTIONS / WIDTH [mm]		HEIGHTS [mm]													
		207	300	400	500	600	750	900	1000	1200	1500	1800	2000	2200	2500
3															
138 mm	W	119	170	217	263	308	374	439	482	566	691	815	897	979	1102
4															
184 mm	W	159	226	290	351	411	499	586	642	755	922	1086	1196	1306	1470
5															
230 mm	W	199	283	362	439	514	624	732	803	944	1152	1358	1495	1632	1837
6															
276 mm	W	238	339	434	526	616	749	878	964	1133	1382	1630	1794	1958	2204
7															
322 mm	W	278	396	507	614	719	874	1025	1124	1322	1613	1901	2093	2285	2572
8															
368 mm	W	318	452	579	702	822	998	1171	1285	1510	1843	2173	2392	2611	2939
9															
414 mm	W	357	509	652	789	924	1123	1318	1445	1699	2074	2444	2691	2938	3307
10															
460 mm	W	397	565	724	877	1027	1248	1464	1606	1888	2304	2716	2990	3264	3674
11															
506 mm	W	437	622	796	965	1130	1373	1610	1767	2077	2534	2988	3289	3590	4041
12															
552 mm	W	476	678	869	1052	1232	1498	1757	1927	2266	2765	3259	3588	3917	4409
13															
598 mm	W	516	735	941	1140	1335	1622	1903	2088	2454	2995	3531	3887	4243	4776
14															
644 mm	W	556	791	1014	1228	1438	1747	2050	2248	2643	3226	3802	4186	4570	5144
15															
690 mm	W	596	848	1086	1316	1541	1872	2196	2409	2832	3456	4074	4485	4896	5511
16															
736 mm	W	635	904	1158	1403	1643	1997	2342	2570	3021	3686	4346	4784	5222	5878
17															
782 mm	W	675	961	1231	1491	1746	2122	2489	2730	3210	3917	4617	5083	5549	6246
18															
828 mm	W	715	1017	1303	1579	1849	2246	2635	2891	3398	4147	4889	5382	5875	6613
19															
874 mm	W	754	1074	1376	1666	1951	2371	2782	3051	3587	4378	5160	5681	6202	6981
20															
920 mm	W	794	1130	1448	1754	2054	2496	2928	3212	3776	4608	5432	5980	6528	7348
21															
966 mm	W	834	1187	1520	1842	2157	2621	3074	3373	3965	4838	5704	6279	6854	7715
22															
1012 mm	W	873	1243	1593	1929	2259	2746	3221	3533	4154	5069	5975	6578	7181	8083
23															
1058 mm	W	913	1300	1665	2017	2362	2870	3367	3694	4342	5299	6247	6877	7507	8450
24															
1104 mm	W	953	1356	1738	2105	2465	2995	3514	3854	4531	5530	6518	7176	7834	8818
25															
1150 mm	W	993	1413	1810	2193	2568	3120	3660	4015	4720	5760	6790	7475	8160	9185
26															
1196 mm	W	1032	1469	1882	2280	2670	3245	3806	4176	4909	5990	7062	7774	8486	9552
27															
1242 mm	W	1072	1526	1955	2368	2773	3370	3953	4336	5098	6221	7333	8073	8813	9920
28															
1288 mm	W	1112	1582	2027	2456	2876	3494	4099	4497	5286	6451	7605	8372	9139	10287
29															
1344 mm	W	1151	1639	2100	2543	2978	3619	4246	4657	5475	6682	7876	8671	9466	10655
30															
1380 mm	W	1191	1695	2172	2631	3081	3744	4392	4818	5664	6912	8148	8970	9792	11022
31															
1426 mm	W	1231	1752	2244	2719	3184	3869	4538	4979	5853	7142	8420	9269	10118	11389
32															
1472 mm	W	1270	1808	2317	2806	3286	3994	4685	5139	6042	7373	8691	9568	10445	11757
33															
1518 mm	W	1310	1865	2389	2894	3389	4118	4831	5300	6230	7603	8963	9867	10771	12124
34															
1564 mm	W	1350	1921	2462	2982	3492	4243	4978	5460	6419	7834	9234	10166	11098	12492
35															
1610 mm	W	1390	1978	2534	3070	3595	4368	5124	5621	6608	8064	9506	10465	11424	12859
36															
1656 mm	W	1429	2034	2606	3157	3697	4493	5270	5782	6797	8294	9778	10764	11750	13226
37															
1702 mm	W	1469	2091	2679	3245	3800	4618	5417	5942	6986	8525	10049	11063	12077	13594
38															
1748 mm	W	1509	2147	2751	3333	3903	4742	5563	6103	7174	8755	10321	11362	12403	13961
39															
1794 mm	W	1548	2204	2824	3420	4005	4867	5710	6263	7363	8986	10592	11661	12730	14329
40															
1840 mm	W	1588	2260	2896	3508	4108	4992	5856	6424	7552	9216	10864	11960	13056	14696

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nippling operation) with lock key smaller than 1 mt.
Each couple of batteries inclusive of 2 nipples and 2 seals. For batteries with more than 70 sections with lateral connection, see probes kit at page 539



ARDESIA®
6 COLUMNS

page 20

WARRANTY
5 YEARS

Functioning:	hot water

Maximun working pressure	10 bar
Testing conditions	13 bar

Maximum temperature	110°C
Minimum flow in % of the nominal flow rate:	18

Hub	1"
Section width	46 mm

MATERIAL:
• Pressed heads in carbon steel sheet.
• Welded carbon steel tube ø 25 mm.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled carton. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Standard white RAL 9010 - R01. Other colours see page 560.

CERTIFICATIONS

CE

EURONORM EN 442-1 RADIATORS AND CONVECTORS

HOW TO ORDER **ARDESIA® 6 COLUMNS**

ARTICLE NR. STRUCTURE

Model and nr COLUMNS	Elements nr.	Height in mm	Article code of the connection	Article code of the colour	Constant value
AAA	BB	CCCC	DDD	EEE	A

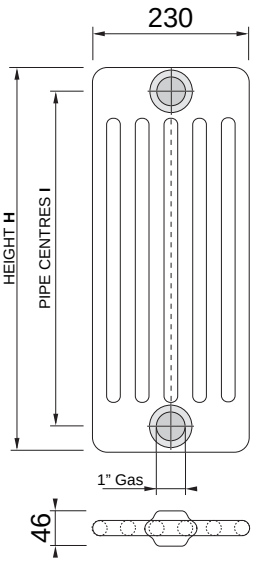
EXAMPLE

Model and nr COLUMNS E.g.: Ardesia® 6 COLUMNS	Numero elements E.g.: 35 elements	Height in mm Example: 300 mm	Article code of the connection Example: connection 24	Article code of the colour Example: F36 - Terra	Constant value
AR6	35	0300	024	F36	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AR6 ARDESIA® 6 COLUMNS
35 35 elements (see the table shown on the side)
0300 Height 300 mm (see the table shown on the side)
024 connection 24 (see page 254)
F36 colour F36 - Terra (see page 560)
A (Constant value)
The article code will be:
AR6 35 0300 024 F36 A

TECHNICAL DATA PER SECTION

Height H [mm]	207	300	400	500	600	750	900	1000	1200	1500	1800	2000	2200	2500
Pipe Centres I [mm]	151	244	344	444	544	694	844	944	1144	1444	1744	1944	2144	2444
(90/70/20°C) ΔT 60 = W	61,9	86,1	110,9	134,7	157,6	190,7	222,4	244,2	287,1	349,7	403,4	437,2	469,6	515,6
(75/65/20°C) ΔT 50 = W	**48,7**	**67,7**	**87,3**	**106,2**	**124,5**	**150,9**	**176,4**	**192,9**	**224,7**	**270**	**312,7**	**339,8**	**366**	**403,4**
(65/55/20°C) ΔT 40 = W	36,3	50,4	65,1	79,3	93,2	113,3	132,8	144,4	166,5	196,8	229	249,7	269,7	298,8
(55/45/20°C) ΔT 30 = W	24,8	34,5	44,6	54,5	64,2	78,3	92,1	99,5	113,1	130,8	153,2	167,8	182	202,9
Water Content [lt]	0,8	1,1	1,3	1,6	1,8	2,2	2,5	2,8	3,2	4	4,7	5,2	5,6	6,4
Dry Weight [kg]	1,07	1,49	1,92	2,34	2,76	3,4	4,03	4,46	5,3	6,57	7,84	8,69	9,53	10,8
Exp. [n]	1,318	1,322	1,313	1,305	1,296	1,284	1,271	1,296	1,345	1,418	1,396	1,382	1,367	1,345
Nominal flow rate [kg/h]	4,2	5,8	7,5	9,1	10,7	13	15,2	16,6	19,3	23,2	26,9	29,2	31,5	34,7
Radiation quote [%]	19	19	18	18	18	17	17	17	16	15	14	14	13	12
Surface [m²]	0,11	0,15	0,19	0,24	0,29	0,35	0,42	0,47	0,56	0,69	0,83	0,92	1,01	1,14



6 COLUMNS STANDARD HEIGHTS

ardesia

N° OF SECTIONS / WIDTH [mm]		HEIGHTS [mm]													
		207	300	400	500	600	750	900	1000	1200	1500	1800	2000	2200	2500
3															
138 mm	W	146	203	262	319	374	453	529	579	674	810	938	1019	1098	1210
4															
184 mm	W	195	271	349	425	498	604	706	772	899	1080	1251	1359	1464	1614
5															
230 mm	W	244	339	437	531	623	755	882	965	1124	1350	1564	1699	1830	2017
6															
276 mm	W	292	406	524	637	747	905	1058	1157	1348	1620	1876	2039	2196	2420
7															
322 mm	W	341	474	611	743	872	1056	1235	1350	1573	1890	2189	2379	2562	2824
8															
368 mm	W	390	542	698	850	996	1207	1411	1543	1798	2160	2502	2718	2928	3227
9															
414 mm	W	438	609	786	956	1121	1358	1588	1736	2022	2430	2814	3058	3294	3631
10															
460 mm	W	487	677	873	1062	1245	1509	1764	1929	2247	2700	3127	3398	3660	4034
11															
506 mm	W	536	745	960	1168	1370	1660	1940	2122	2472	2970	3440	3738	4026	4437
12															
552 mm	W	584	812	1048	1274	1494	1811	2117	2315	2696	3240	3752	4078	4392	4841
13															
598 mm	W	633	880	1135	1381	1619	1962	2293	2508	2921	3510	4065	4417	4758	5244
14															
644 mm	W	682	948	1222	1487	1743	2113	2470	2701	3146	3780	4378	4757	5124	5648
15															
690 mm	W	731	1016	1310	1593	1868	2264	2646	2894	3371	4050	4691	5097	5490	6051
16															
736 mm	W	779	1083	1397	1699	1992	2414	2822	3086	3595	4320	5003	5437	5856	6454
17															
782 mm	W	828	1151	1484	1805	2117	2565	2999	3279	3820	4590	5316	5777	6222	6858
18															
828 mm	W	877	1219	1571	1912	2241	2716	3175	3472	4045	4860	5629	6116	6588	7261
19															
874 mm	W	925	1286	1659	2018	2366	2867	3352	3665	4269	5130	5941	6456	6954	7665
20															
920 mm	W	974	1354	1746	2124	2490	3018	3528	3858	4494	5400	6254	6796	7320	8068
21															
966 mm	W	1023	1422	1833	2230	2615	3169	3704	4051	4719	5670	6567	7136	7686	8471
22															
1012 mm	W	1071	1489	1921	2336	2739	3320	3881	4244	4943	5940	6879	7476	8052	8875
23															
1058 mm	W	1120	1557	2008	2443	2864	3471	4057	4437	5168	6210	7192	7815	8418	9278
24															
1104 mm	W	1169	1625	2095	2549	2988	3622	4234	4630	5393	6480	7505	8155	8784	9682
25															
1150 mm	W	1218	1693	2183	2655	3113	3773	4410	4823	5618	6750	7818	8495	9150	10085
26															
1196 mm	W	1266	1760	2270	2761	3237	3923	4586	5015	5842	7020	8130	8835	9516	10488
27															
1242 mm	W	1315	1828	2357	2867	3362	4074	4763	5208	6067	7290	8443	9175	9882	10892
28															
1288 mm	W	1364	1896	2444	2974	3486	4225	4939	5401	6292	7560	8756	9514	10248	11295
29															
1344 mm	W	1412	1963	2532	3080	3611	4376	5116	5594	6516	7830	9068	9854	10614	11699
30															
1380 mm	W	1461	2031	2619	3186	3735	4527	5292	5787	6741	8100	9381	10194	10980	12102
31															
1426 mm	W	1510	2099	2706	3292	3860	4678	5468	5980	6966	8370	9694	10534	11346	12505
32															
1472 mm	W	1558	2166	2794	3398	3984	4829	5645	6173	7190	8640	10006	10874	11712	12909
33															
1518 mm	W	1607	2234	2881	3505	4109	4980	5821	6366	7415	8910	10319	11213	12078	13312
34															
1564 mm	W	1656	2302	2968	3611	4233	5131	5998	6559	7640	9180	10632	11553	12444	13716
35															
1610 mm	W	1705	2370	3056	3717	4358	5282	6174	6752	7865	9450	10945	11893	12810	14119
36															
1656 mm	W	1753	2437	3143	3823	4482	5432	6350	6944	8089	9720	11257	12233	13176	14522
37															
1702 mm	W	1802	2505	3230	3929	4607	5583	6527	7137	8314	9990	11570	12573	13542	14926
38															
1748 mm	W	1851	2573	3317	4036	4731	5734	6703	7330	8539	10260	11883	12912	13908	15329
39															
1794 mm	W	1899	2640	3405	4142	4856	5885	6880	7523	8763	10530	12195	13252	14274	15733
40															
1840 mm	W	1948	2708	3492	4248	4980	6036	7056	7716	8988	10800	12508	13592	14640	16136

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nippling operation) with lock key smaller than 1 mt.
Each couple of batteries inclusive of 2 nipples and 2 seals. For batteries with more than 55 sections with lateral connection, see probes kit at page 539



ARDESIA®
2 COLUMNS
FOR REPLACEMENT

page 13

WARRANTY
5 YEARS

Functioning:	hot water

Maximun working pressure	10 bar
Testing conditions	13 bar

Maximum temperature	110°C
Minimum flow in % of the nominal flow rate:	18

Hub	1"
Section width	46 mm

MATERIAL:
• Pressed heads in carbon steel sheet.
• Welded carbon steel tube ø 25 mm.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled carton. User notice included.

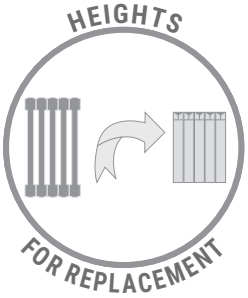
PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Standard white RAL 9010 - R01. Other colours see page 560.

CERTIFICATIONS

CE

EURONORM EN 442-1 RADIATORS AND CONVECTORS



HOW TO ORDER **ARDESIA® 2 COLUMNS**

ARTICLE NR. STRUCTURE

Model and nr COLUMNS	Elements nr.	Height in mm	Article code of the connection	Article code of the colour	Constant value
AAA	BB	CCCC	DDD	EEE	A

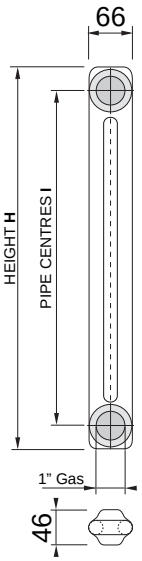
EXAMPLE

Model and nr COLUMNS E.g.: Ardesia® 2 COLUMNS	Numero elements E.g.: 12 elements	Height in mm Example: 756 mm	Article code of the connection Example: connection 2	Article code of the colour Example: H48-Dove	Constant value
AR2	12	0756	002	H48	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AR2 ARDESIA® 2 COLUMNS
12 12 elements (see the table shown on the side)
0756 Height 756 mm (see the table shown on the side)
002 connection 2 (see page 254)
H48 colour H48-Dove (see page 560)
A (Constant value)
The article code will be:
AR2 12 0756 002 H48 A

TECHNICAL DATA PER SECTION

	CAST IRON		ALUMINIUM							LAMELLAR e PANEL			
Height H [mm]	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
Pipe Centres I [mm]	**620**	**820**	**500**	**600**	**700**	**800**	**1600**	**1800**	**2000**	**530**	**570**	**730**	**870**
(90/70/20°C) ΔT 60 = W	66,5	84,7	55,6	64,7	73,7	82,8	157,6	177,2	197,4	58,3	61,9	76,4	89,2
(75/65/20°C) ΔT 50 = W	**52,4**	**66,5**	**44**	**51**	**58**	**65,1**	**123,1**	**138,4**	**154,2**	**46,1**	**48,9**	**60,1**	**70**
(65/55/20°C) ΔT 40 = W	39,2	49,4	33,1	38,2	43,3	48,4	91	102,3	114	34,6	36,7	44,9	52
(55/45/20°C) ΔT 30 = W	27	33,7	22,9	26,3	29,7	33,1	61,6	69,3	77,2	23,9	25,3	30,7	35,4
Water Content [lt]	0,67	0,83	0,58	0,66	0,74	0,82	1,46	1,62	1,78	0,6	0,63	0,76	0,78
Dry Weight [kg]	1,02	1,3	0,85	0,99	1,13	1,27	2,4	2,69	2,98	0,89	0,95	1,18	1,29
Exp. [n]	1,299	1,327	1,283	1,297	1,311	1,324	1,355	1,355	1,355	1,287	1,292	1,315	1,332
Nominal flow rate [kg/h]	4,5	5,7	3,8	4,4	5	5,6	10,6	11,9	13,3	4	4,2	5,2	6
Radiation quote [%]	24	24	25	25	24	24	23	23	23	25	25	25	24
Surface [m²]	0,11	0,14	0,09	0,1	0,12	0,13	0,25	0,28	0,31	0,09	0,12	0,1	0,14



2 COLUMNS HEIGHTS FOR REPLACEMENT

ardesia

N° OF SECTIONS		CAST IRON		ALUMINIUM							LAMELLAR		PANEL	
WIDTH [mm]	H	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
	Pipe Centres	620	820	500	600	700	800	1600	1800	2000	530	570	730	870
3 138 mm	W	157	200	132	153	174	195	369	415	463	138	147	180	210
4 184 mm	W	210	266	176	204	232	260	492	554	617	184	196	240	280
5 230 mm	W	262	333	220	255	290	326	616	692	771	231	245	301	350
6 276 mm	W	314	399	264	306	348	391	739	830	925	277	293	361	420
7 322 mm	W	367	466	308	357	406	456	862	969	1079	323	342	421	490
8 368 mm	W	419	532	352	408	464	521	985	1107	1234	369	391	481	560
9 414 mm	W	472	599	396	459	522	586	1108	1246	1388	415	440	541	630
10 460 mm	W	524	665	440	510	580	651	1231	1384	1542	461	489	601	700
11 506 mm	W	576	732	484	561	638	716	1354	1522	1696	507	538	661	770
12 552 mm	W	629	798	528	612	696	781	1477	1661	1850	553	587	721	840
13 598 mm	W	681	865	572	663	754	846	1600	1799	2005	599	636	781	910
14 644 mm	W	734	931	616	714	812	911	1723	1938	2159	645	685	841	980
15 690 mm	W	786	998	660	765	870	977	1847	2076	2313	692	734	902	1050
16 736 mm	W	838	1064	704	816	928	1042	1970	2214	2467	738	782	962	1120
17 782 mm	W	891	1131	748	867	986	1107	2093	2353	2621	784	831	1022	1190
18 828 mm	W	943	1197	792	918	1044	1172	2216	2491	2776	830	880	1082	1260
19 874 mm	W	996	1264	836	969	1102	1237	2339	2630	2930	876	929	1142	1330
20 920 mm	W	1048	1330	880	1020	1160	1302	2462	2768	3084	922	978	1202	1400
21 966 mm	W	1100	1397	924	1071	1218	1367	2585	2906	3238	968	1027	1262	1470
22 1012 mm	W	1153	1463	968	1122	1276	1432	2708	3045	3392	1014	1076	1322	1540
23 1058 mm	W	1205	1530	1012	1173	1334	1497	2831	3183	3547	1060	1125	1382	1610
24 1104 mm	W	1258	1596	1056	1224	1392	1562	2954	3322	3701	1106	1174	1442	1680
25 1150 mm	W	1310	1663	1100	1275	1450	1628	3078	3460	3855	1153	1223	1503	1750
26 1196 mm	W	1362	1729	1144	1326	1508	1693	3201	3598	4009	1199	1271	1563	1820
27 1242 mm	W	1415	1796	1188	1377	1566	1758	3324	3737	4163	1245	1320	1623	1890
28 1288 mm	W	1467	1862	1232	1428	1624	1823	3447	3875	4318	1291	1369	1683	1960
29 1344 mm	W	1520	1929	1276	1479	1682	1888	3570	4014	4472	1337	1418	1743	2030
30 1380 mm	W	1572	1995	1320	1530	1740	1953	3693	4152	4626	1383	1467	1803	2100
31 1426 mm	W	1624	2062	1364	1581	1798	2018	3816	4290	4780	1429	1516	1863	2170
32 1472 mm	W	1677	2128	1408	1632	1856	2083	3939	4429	4934	1475	1565	1923	2240
33 1518 mm	W	1729	2195	1452	1683	1914	2148	4062	4567	5089	1521	1614	1983	2310
34 1564 mm	W	1782	2261	1496	1734	1972	2213	4185	4706	5243	1567	1663	2043	2380
35 1610 mm	W	1834	2328	1540	1785	2030	2279	4309	4844	5397	1614	1712	2104	2450
36 1656 mm	W	1886	2394	1584	1836	2088	2344	4432	4982	5551	1660	1760	2164	2520
37 1702 mm	W	1939	2461	1628	1887	2146	2409	4555	5121	5705	1706	1809	2224	2590
38 1748 mm	W	1991	2527	1672	1938	2204	2474	4678	5259	5860	1752	1858	2284	2660
39 1794 mm	W	2044	2594	1716	1989	2262	2539	4801	5398	6014	1798	1907	2344	2730
40 1840 mm	W	2096	2660	1760	2040	2320	2604	4924	5536	6168	1844	1956	2404	2800

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nippling operation) with lock key smaller than 1 mt.
Each couple of batteries inclusive of 2 nipples and 2 seals. For batteries with more than 85 sections with lateral connection, see probes kit at page 539



ARDESIA®
3 COLUMNS
FOR REPLACEMENT

page 13

WARRANTY
5 YEARS

Functioning:	hot water

Maximun working pressure	10 bar
Testing conditions	13 bar

Maximum temperature	110°C
Minimum flow in % of the nominal flow rate:	18

Hub	1"
Section width	46 mm

MATERIAL:
• Pressed heads in carbon steel sheet.
• Welded carbon steel tube ø 25 mm.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled carton. User notice included.

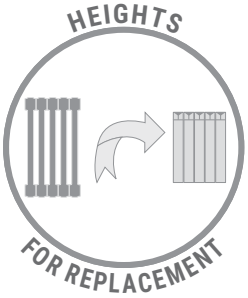
PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Standard white RAL 9010 - R01. Other colours see page 560.

CERTIFICATIONS

CE

EURONORM EN 442-1 RADIATORS AND CONVECTORS



HOW TO ORDER **ARDESIA® 3 COLUMNS**

ARTICLE NR. STRUCTURE

Model and nr COLUMNS	Elements nr.	Height in mm	Article code of the connection	Article code of the colour	Constant value
AAA	BB	CCCC	DDD	EEE	A

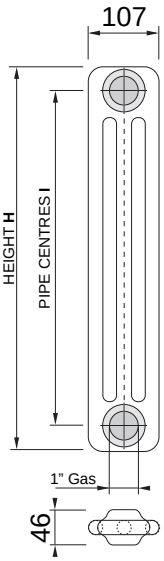
EXAMPLE

Model and nr COLUMNS E.g.: Ardesia® 3 COLUMNS	Numero elements E.g.: 14 elements	Height in mm Example: 586 mm	Article code of the connection Example: connection 2	Article code of the colour Example: R01-White	Constant value
AR3	14	0586	002	R01	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AR3 ARDESIA® 3 COLUMNS
14 14 elements (see the table shown on the side)
0586 Height 586 mm (see the table shown on the side)
002 connection 2 (see page 254)
R01 colour R01-White (see page 560)
A (Constant value)
The article code will be:
AR3 14 0586 002 R01 A

TECHNICAL DATA PER SECTION

	CAST IRON		ALUMINIUM							LAMELLAR e PANEL			
Height H [mm]	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
Pipe Centres I [mm]	**620**	**820**	**500**	**600**	**700**	**800**	**1600**	**1800**	**2000**	**530**	**570**	**730**	**870**
(90/70/20°C) ΔT 60 = W	92,5	117,8	77,2	90	102,7	115,3	213,2	236,6	260,1	81	86,1	106,5	124,1
(75/65/20°C) ΔT 50 = W	**72,8**	**92,3**	**60,9**	**70,8**	**80,6**	**90,4**	**166,7**	**185,5**	**204,3**	**63,8**	**67,8**	**83,6**	**97,2**
(65/55/20°C) ΔT 40 = W	54,3	68,5	45,5	52,8	60	67,1	123,3	137,6	151,9	47,7	50,6	62,1	72
(55/45/20°C) ΔT 30 = W	37,2	46,6	31,3	36,2	41	45,7	83,6	93,6	103,7	32,8	34,7	42,4	48,9
Water Content [lt]	1	1,24	0,85	0,97	1,09	1,21	2,18	2,42	2,66	0,89	0,94	1,13	1,26
Dry Weight [kg]	1,53	1,96	1,28	1,49	1,7	1,91	3,61	4,04	4,47	1,34	1,43	1,77	1,95
Exp. [n]	1,316	1,339	1,302	1,314	1,325	1,337	1,35	1,338	1,326	1,306	1,31	1,329	1,343
Nominal flow rate [kg/h]	6,3	7,9	5,2	6,1	6,9	7,8	14,3	16	17,6	5,5	5,8	7,2	8,4
Radiation quote [%]	22	22	22	22	22	22	20	19	19	22	22	22	21
Surface [m²]	0,16	0,2	0,13	0,15	0,18	0,2	0,38	0,43	0,47	0,14	0,15	0,18	0,22



3 COLUMNS HEIGHTS FOR REPLACEMENT

ardesia

N° OF SECTIONS		CAST IRON		ALUMINIUM							LAMELLAR		PANEL	
WIDTH [mm]	H	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
	Pipe Centres	620	820	500	600	700	800	1600	1800	2000	530	570	730	870
3														
138 mm	W	218	277	183	212	242	271	500	557	613	191	203	251	292
4														
184 mm	W	291	369	244	283	322	362	667	742	817	255	271	334	389
5														
230 mm	W	364	462	305	354	403	452	834	928	1022	319	339	418	486
6														
276 mm	W	437	554	365	425	484	542	1000	1113	1226	383	407	502	583
7														
322 mm	W	510	646	426	496	564	633	1167	1299	1430	447	475	585	680
8														
368 mm	W	582	738	487	566	645	723	1334	1484	1634	510	542	669	778
9														
414 mm	W	655	831	548	637	725	814	1500	1670	1839	574	610	752	875
10														
460 mm	W	728	923	609	708	806	904	1667	1855	2043	638	678	836	972
11														
506 mm	W	801	1015	670	779	887	994	1834	2041	2247	702	746	920	1069
12														
552 mm	W	874	1108	731	850	967	1085	2000	2226	2452	766	814	1003	1166
13														
598 mm	W	946	1200	792	920	1048	1175	2167	2412	2656	829	881	1087	1264
14														
644 mm	W	1019	1292	853	991	1128	1266	2334	2597	2860	893	949	1170	1361
15														
690 mm	W	1092	1385	914	1062	1209	1356	2501	2783	3065	957	1017	1254	1458
16														
736 mm	W	1165	1477	974	1133	1290	1446	2667	2968	3269	1021	1085	1338	1555
17														
782 mm	W	1238	1569	1035	1204	1370	1537	2834	3154	3473	1085	1153	1421	1652
18														
828 mm	W	1310	1661	1096	1274	1451	1627	3001	3339	3677	1148	1220	1505	1750
19														
874 mm	W	1383	1754	1157	1345	1531	1718	3167	3525	3882	1212	1288	1588	1847
20														
920 mm	W	1456	1846	1218	1416	1612	1808	3334	3710	4086	1276	1356	1672	1944
21														
966 mm	W	1529	1938	1279	1487	1693	1898	3501	3896	4290	1340	1424	1756	2041
22														
1012 mm	W	1602	2031	1340	1558	1773	1989	3667	4081	4495	1404	1492	1839	2138
23														
1058 mm	W	1674	2123	1401	1628	1854	2079	3834	4267	4699	1467	1559	1923	2236
24														
1104 mm	W	1747	2215	1462	1699	1934	2170	4001	4452	4903	1531	1627	2006	2333
25														
1150 mm	W	1820	2308	1523	1770	2015	2260	4168	4638	5108	1595	1695	2090	2430
26														
1196 mm	W	1893	2400	1583	1841	2096	2350	4334	4823	5312	1659	1763	2174	2527
27														
1242 mm	W	1966	2492	1644	1912	2176	2441	4501	5009	5516	1723	1831	2257	2624
28														
1288 mm	W	2038	2584	1705	1982	2257	2531	4668	5194	5720	1786	1898	2341	2722
29														
1344 mm	W	2111	2677	1766	2053	2337	2622	4834	5380	5925	1850	1966	2424	2819
30														
1380 mm	W	2184	2769	1827	2124	2418	2712	5001	5565	6129	1914	2034	2508	2916
31														
1426 mm	W	2257	2861	1888	2195	2499	2802	5168	5751	6333	1978	2102	2592	3013
32														
1472 mm	W	2330	2954	1949	2266	2579	2893	5334	5936	6538	2042	2170	2675	3110
33														
1518 mm	W	2402	3046	2010	2336	2660	2983	5501	6122	6742	2105	2237	2759	3208
34														
1564 mm	W	2475	3138	2071	2407	2740	3074	5668	6307	6946	2169	2305	2842	3305
35														
1610 mm	W	2548	3231	2132	2478	2821	3164	5835	6493	7151	2233	2373	2926	3402
36														
1656 mm	W	2621	3323	2192	2549	2902	3254	6001	6678	7355	2297	2441	3010	3499
37														
1702 mm	W	2694	3415	2253	2620	2982	3345	6168	6864	7559	2361	2509	3093	3596
38														
1748 mm	W	2766	3507	2314	2690	3063	3435	6335	7049	7763	2424	2576	3177	3694
39														
1794 mm	W	2839	3600	2375	2761	3143	3526	6501	7235	7968	2488	2644	3260	3791
40														
1840 mm	W	2912	3692	2436	2832	3224	3616	6668	7420	8172	2552	2712	3344	3888

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nippling operation) with lock key smaller than 1 mt.
Each couple of batteries inclusive of 2 nipples and 2 seals. For batteries with more than 83 sections with lateral connection, see probes kit at page 539



ARDESIA®
4 COLUMNS
FOR REPLACEMENT

page 17

WARRANTY
5 YEARS

Functioning:	hot water

Maximun working pressure	10 bar
Testing conditions	13 bar

Maximum temperature	110°C
Minimum flow in % of the nominal flow rate:	18

Hub	1"
Section width	46 mm

MATERIAL:
• Pressed heads in carbon steel sheet.
• Welded carbon steel tube ø 25 mm.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled carton. User notice included.

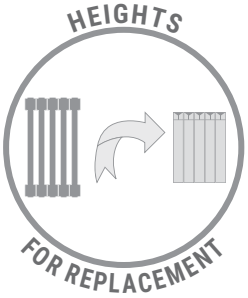
PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Standard white RAL 9010 - R01. Other colours see page 560.

CERTIFICATIONS

CE

EURONORM EN 442-1 RADIATORS AND CONVECTORS



HOW TO ORDER **ARDESIA® 4 COLUMNS**

ARTICLE NR. STRUCTURE

Model and nr COLUMNS	Elements nr.	Height in mm	Article code of the connection	Article code of the colour	Constant value
AAA	BB	CCCC	DDD	EEE	A

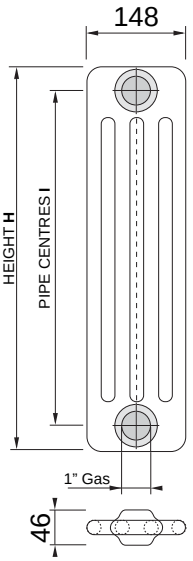
EXAMPLE

Model and nr COLUMNS E.g.: Ardesia® 4 COLUMNS	Numero elements E.g.: 18 elements	Height in mm Example: 876 mm	Article code of the connection Example: connection 2	Article code of the colour Example: H04 - Ice	Constant value
AR4	18	0876	002	H04	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AR4 ARDESIA® 4 COLUMNS
18 18 elements (see the table shown on the side)
0876 Height 876 mm (see the table shown on the side)
002 connection 2 (see page 254)
H04 colour H04-Ice (see page 560)
A (Constant value)
The article code will be:
AR4 18 0876 002 H04 A

TECHNICAL DATA PER SECTION

	CAST IRON		ALUMINIUM							LAMELLAR e PANEL			
Height H [mm]	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
Pipe Centres I [mm]	**620**	**820**	**500**	**600**	**700**	**800**	**1600**	**1800**	**2000**	**530**	**570**	**730**	**870**
(90/70/20°C) ΔT 60 = W	119,6	151	100,6	116,5	132,2	147,9	268	298,7	329,6	105,4	111,7	136,9	158,7
(75/65/20°C) ΔT 50 = W	**94**	**118**	**79,3**	**91,6**	**103,6**	**115,6**	**209,7**	**233,3**	**256,9**	**83**	**87,9**	**107,2**	**123,9**
(65/55/20°C) ΔT 40 = W	70	87,2	59,3	68,2	76,9	85,5	155,3	172,3	189,4	62	65,5	79,5	91,5
(55/45/20°C) ΔT 30 = W	47,8	59,1	40,7	46,6	52,4	58	105,5	116,7	127,8	42,5	44,9	54,1	61,9
Water Content [lt]	1,32	1,65	1,13	1,29	1,45	1,61	2,9	3,22	3,54	1,18	1,24	1,5	1,7
Dry Weight [kg]	2,05	2,61	1,71	1,99	2,28	2,56	4,81	5,4	5,96	1,79	1,91	2,37	2,6
Exp. [n]	1,324	1,355	1,305	1,32	1,336	1,352	1,346	1,356	1,366	1,309	1,316	1,341	1,358
Nominal flow rate [kg/h]	8,1	10,1	6,8	7,9	8,9	9,9	18	20,1	22,1	7,1	7,6	9,2	10,7
Radiation quote [%]	19	19	19	19	19	19	17	16	16	19	19	19	18
Surface [m²]	0,21	0,27	0,18	0,21	0,24	0,27	0,51	0,57	0,63	0,19	0,2	0,25	0,29



4 COLUMNS HEIGHTS FOR REPLACEMENT

ardesia

N° OF SECTIONS		CAST IRON		ALUMINIUM							LAMELLAR		PANEL	
WIDTH [mm]	H	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
	Pipe Centres	620	820	500	600	700	800	1600	1800	2000	530	570	730	870
3 138 mm	W	282	354	238	275	311	347	629	700	771	249	264	322	372
4 184 mm	W	376	472	317	366	414	462	839	933	1028	332	352	429	496
5 230 mm	W	470	590	397	458	518	578	1049	1167	1285	415	440	536	620
6 276 mm	W	564	708	476	550	622	694	1258	1400	1541	498	527	643	743
7 322 mm	W	658	826	555	641	725	809	1468	1633	1798	581	615	750	867
8 368 mm	W	752	944	634	733	829	925	1678	1866	2055	664	703	858	991
9 414 mm	W	846	1062	714	824	932	1040	1887	2100	2312	747	791	965	1115
10 460 mm	W	940	1180	793	916	1036	1156	2097	2333	2569	830	879	1072	1239
11 506 mm	W	1034	1298	872	1008	1140	1272	2307	2566	2826	913	967	1179	1363
12 552 mm	W	1128	1416	952	1099	1243	1387	2516	2800	3083	996	1055	1286	1487
13 598 mm	W	1222	1534	1031	1191	1347	1503	2726	3033	3340	1079	1143	1394	1611
14 644 mm	W	1316	1652	1110	1282	1450	1618	2936	3266	3597	1162	1231	1501	1735
15 690 mm	W	1410	1770	1190	1374	1554	1734	3146	3500	3854	1245	1319	1608	1859
16 736 mm	W	1504	1888	1269	1466	1658	1850	3355	3733	4110	1328	1406	1715	1982
17 782 mm	W	1598	2006	1348	1557	1761	1965	3565	3966	4367	1411	1494	1822	2106
18 828 mm	W	1692	2124	1427	1649	1865	2081	3775	4199	4624	1494	1582	1930	2230
19 874 mm	W	1786	2242	1507	1740	1968	2196	3984	4433	4881	1577	1670	2037	2354
20 920 mm	W	1880	2360	1586	1832	2072	2312	4194	4666	5138	1660	1758	2144	2478
21 966 mm	W	1974	2478	1665	1924	2176	2428	4404	4899	5395	1743	1846	2251	2602
22 1012 mm	W	2068	2596	1745	2015	2279	2543	4613	5133	5652	1826	1934	2358	2726
23 1058 mm	W	2162	2714	1824	2107	2383	2659	4823	5366	5909	1909	2022	2466	2850
24 1104 mm	W	2256	2832	1903	2198	2486	2774	5033	5599	6166	1992	2110	2573	2974
25 1150 mm	W	2350	2950	1983	2290	2590	2890	5243	5833	6423	2075	2198	2680	3098
26 1196 mm	W	2444	3068	2062	2382	2694	3006	5452	6066	6679	2158	2285	2787	3221
27 1242 mm	W	2538	3186	2141	2473	2797	3121	5662	6299	6936	2241	2373	2894	3345
28 1288 mm	W	2632	3304	2220	2565	2901	3237	5872	6532	7193	2324	2461	3002	3469
29 1344 mm	W	2726	3422	2300	2656	3004	3352	6081	6766	7450	2407	2549	3109	3593
30 1380 mm	W	2820	3540	2379	2748	3108	3468	6291	6999	7707	2490	2637	3216	3717
31 1426 mm	W	2914	3658	2458	2840	3212	3584	6501	7232	7964	2573	2725	3323	3841
32 1472 mm	W	3008	3776	2538	2931	3315	3699	6710	7466	8221	2656	2813	3430	3965
33 1518 mm	W	3102	3894	2617	3023	3419	3815	6920	7699	8478	2739	2901	3538	4089
34 1564 mm	W	3196	4012	2696	3114	3522	3930	7130	7932	8735	2822	2989	3645	4213
35 1610 mm	W	3290	4130	2776	3206	3626	4046	7340	8166	8992	2905	3077	3752	4337
36 1656 mm	W	3384	4248	2855	3298	3730	4162	7549	8399	9248	2988	3164	3859	4460
37 1702 mm	W	3478	4366	2934	3389	3833	4277	7759	8632	9505	3071	3252	3966	4584
38 1748 mm	W	3572	4484	3013	3481	3937	4393	7969	8865	9762	3154	3340	4074	4708
39 1794 mm	W	3666	4602	3093	3572	4040	4508	8178	9099	10019	3237	3428	4181	4832
40 1840 mm	W	3760	4720	3172	3664	4144	4624	8388	9332	10276	3320	3516	4288	4956

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nippling operation) with lock key smaller than 1 mt.
Each couple of batteries inclusive of 2 nipples and 2 seals. For batteries with more than 80 sections with lateral connection, see probes kit at page 539



ARDESIA®
5 COLUMNS
FOR REPLACEMENT

page 18

WARRANTY
5 YEARS

Functioning:	hot water

Maximun working pressure	10 bar
Testing conditions	13 bar

Maximum temperature	110°C
Minimum flow in % of the nominal flow rate:	18

Hub	1"
Section width	46 mm

MATERIAL:
• Pressed heads in carbon steel sheet.
• Welded carbon steel tube ø 25 mm.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled carton. User notice included.

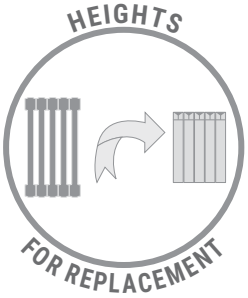
PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Standard white RAL 9010 - R01. Other colours see page 560.

CERTIFICATIONS

CE

EURONORM EN 442-1 RADIATORS AND CONVECTORS



HOW TO ORDER **ARDESIA® 5 COLUMNS**

ARTICLE NR. STRUCTURE

Model and nr COLUMNS	Elements nr.	Height in mm	Article code of the connection	Article code of the colour	Constant value
AAA	BB	CCCC	DDD	EEE	A

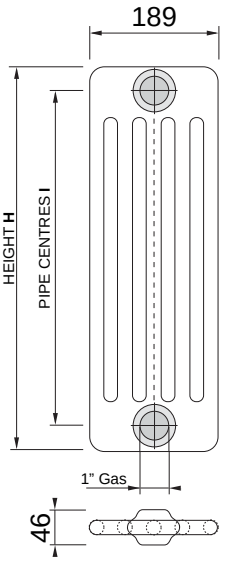
EXAMPLE

Model and nr COLUMNS E.g.: Ardesia® 5 COLUMNS	Numero elements E.g.: 22 elements	Height in mm Example: 556 mm	Article code of the connection Example: connection 2	Article code of the colour Example: F37 - Denim Blue	Constant value
AR5	22	0556	002	F37	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AR5 ARDESIA® 5 COLUMNS
22 22 elements (see the table shown on the side)
0556 Height 556 mm (see the table shown on the side)
002 connection 2 (see page 254)
F37 colour F37 - Denim Blue(see page 560)
A (Constant value)
The article code will be:
AR5 22 0556 002 F37 A

TECHNICAL DATA PER SECTION

	CAST IRON		ALUMINIUM							LAMELLAR e PANEL			
Height H [mm]	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
Pipe Centres I [mm]	**620**	**820**	**500**	**600**	**700**	**800**	**1600**	**1800**	**2000**	**530**	**570**	**730**	**870**
(90/70/20°C) ΔT 60 = W	145,3	182,5	122,5	141,5	160,3	178,8	324	358,3	392,4	128,3	135,9	165,9	191,7
(75/65/20°C) ΔT 50 = W	**114**	**143**	**96,2**	**111**	**125,7**	**140,1**	**251,9**	**279,3**	**306,7**	**100,7**	**106,6**	**130**	**150,1**
(65/55/20°C) ΔT 40 = W	84,7	106,1	71,5	82,5	93,3	103,9	185,1	205,9	226,9	74,8	79,2	96,5	111,3
(55/45/20°C) ΔT 30 = W	57,7	72,2	48,8	56,3	63,6	70,7	124,4	139	153,8	51,1	54	65,7	75,6
Water Content [lt]	1,65	2,05	1,41	1,61	1,81	2,01	3,62	4,02	4,42	1,47	1,55	1,87	2,13
Dry Weight [kg]	2,57	3,27	2,14	2,5	2,85	3,2	6,02	6,75	7,45	2,24	2,39	2,97	3,26
Exp. [n]	1,332	1,338	1,328	1,331	1,335	1,338	1,381	1,366	1,351	1,329	1,33	1,335	1,342
Nominal flow rate [kg/h]	9,8	12,3	8,3	9,5	10,8	12	21,7	24	26,4	8,7	9,2	11,2	12,9
Radiation quote [%]	18	17	18	18	18	17	15	15	14	18	18	17	17
Surface [m²]	0,27	0,34	0,22	0,26	0,3	0,33	0,64	0,71	0,79	0,23	0,25	0,31	0,36



5 COLUMNS HEIGHTS FOR REPLACEMENT

ardesia

N° OF SECTIONS		CAST IRON		ALUMINIUM							LAMELLAR		PANEL	
WIDTH [mm]	H	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
	Pipe Centres	620	820	500	600	700	800	1600	1800	2000	530	570	730	870
3														
138 mm	W	342	429	289	333	377	420	756	838	920	302	320	390	450
4														
184 mm	W	456	572	385	444	503	560	1008	1117	1227	403	426	520	600
5														
230 mm	W	570	715	481	555	629	701	1260	1397	1534	504	533	650	751
6														
276 mm	W	684	858	577	666	754	841	1511	1676	1840	604	640	780	901
7														
322 mm	W	798	1001	673	777	880	981	1763	1955	2147	705	746	910	1051
8														
368 mm	W	912	1144	770	888	1006	1121	2015	2234	2454	806	853	1040	1201
9														
414 mm	W	1026	1287	866	999	1131	1261	2267	2514	2760	906	959	1170	1351
10														
460 mm	W	1140	1430	962	1110	1257	1401	2519	2793	3067	1007	1066	1300	1501
11														
506 mm	W	1254	1573	1058	1221	1383	1541	2771	3072	3374	1108	1173	1430	1651
12														
552 mm	W	1368	1716	1154	1332	1508	1681	3023	3352	3680	1208	1279	1560	1801
13														
598 mm	W	1482	1859	1251	1443	1634	1821	3275	3631	3987	1309	1386	1690	1951
14														
644 mm	W	1596	2002	1347	1554	1760	1961	3527	3910	4294	1410	1492	1820	2101
15														
690 mm	W	1710	2145	1443	1665	1886	2102	3779	4190	4601	1511	1599	1950	2252
16														
736 mm	W	1824	2288	1539	1776	2011	2242	4030	4469	4907	1611	1706	2080	2402
17														
782 mm	W	1938	2431	1635	1887	2137	2382	4282	4748	5214	1712	1812	2210	2552
18														
828 mm	W	2052	2574	1732	1998	2263	2522	4534	5027	5521	1813	1919	2340	2702
19														
874 mm	W	2166	2717	1828	2109	2388	2662	4786	5307	5827	1913	2025	2470	2852
20														
920 mm	W	2280	2860	1924	2220	2514	2802	5038	5586	6134	2014	2132	2600	3002
21														
966 mm	W	2394	3003	2020	2331	2640	2942	5290	5865	6441	2115	2239	2730	3152
22														
1012 mm	W	2508	3146	2116	2442	2765	3082	5542	6145	6747	2215	2345	2860	3302
23														
1058 mm	W	2622	3289	2213	2553	2891	3222	5794	6424	7054	2316	2452	2990	3452
24														
1104 mm	W	2736	3432	2309	2664	3017	3362	6046	6703	7361	2417	2558	3120	3602
25														
1150 mm	W	2850	3575	2405	2775	3143	3503	6298	6983	7668	2518	2665	3250	3753
26														
1196 mm	W	2964	3718	2501	2886	3268	3643	6549	7262	7974	2618	2772	3380	3903
27														
1242 mm	W	3078	3861	2597	2997	3394	3783	6801	7541	8281	2719	2878	3510	4053
28														
1288 mm	W	3192	4004	2694	3108	3520	3923	7053	7820	8588	2820	2985	3640	4203
29														
1344 mm	W	3306	4147	2790	3219	3645	4063	7305	8100	8894	2920	3091	3770	4353
30														
1380 mm	W	3420	4290	2886	3330	3771	4203	7557	8379	9201	3021	3198	3900	4503
31														
1426 mm	W	3534	4433	2982	3441	3897	4343	7809	8658	9508	3122	3305	4030	4653
32														
1472 mm	W	3648	4576	3078	3552	4022	4483	8061	8938	9814	3222	3411	4160	4803
33														
1518 mm	W	3762	4719	3175	3663	4148	4623	8313	9217	10121	3323	3518	4290	4953
34														
1564 mm	W	3876	4862	3271	3774	4274	4763	8565	9496	10428	3424	3624	4420	5103
35														
1610 mm	W	3990	5005	3367	3885	4400	4904	8817	9776	10735	3525	3731	4550	5254
36														
1656 mm	W	4104	5148	3463	3996	4525	5044	9068	10055	11041	3625	3838	4680	5404
37														
1702 mm	W	4218	5291	3559	4107	4651	5184	9320	10334	11348	3726	3944	4810	5554
38														
1748 mm	W	4332	5434	3656	4218	4777	5324	9572	10613	11655	3827	4051	4940	5704
39														
1794 mm	W	4446	5577	3752	4329	4902	5464	9824	10893	11961	3927	4157	5070	5854
40														
1840 mm	W	4560	5720	3848	4440	5028	5604	10076	11172	12268	4028	4264	5200	6004

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nippling operation) with lock key smaller than 1 mt.
Each couple of batteries inclusive of 2 nipples and 2 seals. For batteries with more than 70 sections with lateral connection, see probes kit at page 539



ARDESIA®
6 COLUMNS
FOR REPLACEMENT

page 18

WARRANTY
5 YEARS

Functioning:	hot water

Maximun working pressure	10 bar
Testing conditions	13 bar

Maximum temperature	110°C
Minimum flow in % of the nominal flow rate:	18

Hub	1"
Section width	46 mm

MATERIAL:
• Pressed heads in carbon steel sheet.
• Welded carbon steel tube ø 25 mm.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled carton. User notice included.

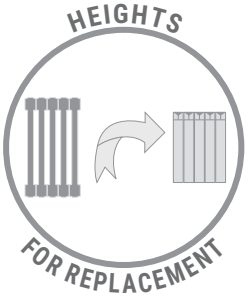
PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Standard white RAL 9010 - R01. Other colours see page 560.

CERTIFICATIONS

CE

EURONORM EN 442-1 RADIATORS AND CONVECTORS



HOW TO ORDER **ARDESIA® 6 COLUMNS**

ARTICLE NR. STRUCTURE

Model and nr COLUMNS	Elements nr.	Height in mm	Article code of the connection	Article code of the colour	Constant value
AAA	BB	CCCC	DDD	EEE	A

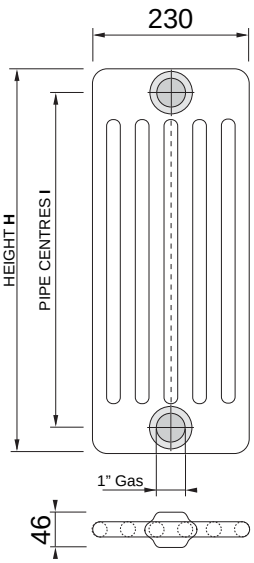
EXAMPLE

Model and nr COLUMNS E.g.: Ardesia® 6 COLUMNS	Numero elements E.g.: 18 elements	Height in mm Example: 676 mm	Article code of the connection Example: connection 2	Article code of the colour Example: F36 - Terra	Constant value
AR6	18	0676	002	F36	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AR6 ARDESIA® 6 COLUMNS
18 18 elements (see the table shown on the side)
0676 Height 676 mm (see the table shown on the side)
002 connection 2 (see page 254)
F36 colour F36 - Terra (see page 560)
A (Constant value)
The article code will be:
AR6 18 0676 002 F36 A

TECHNICAL DATA PER SECTION

	CAST IRON		ALUMINIUM							LAMELLAR e PANEL			
Height H [mm]	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
Pipe Centres I [mm]	**620**	**820**	**500**	**600**	**700**	**800**	**1600**	**1800**	**2000**	**530**	**570**	**730**	**870**
(90/70/20°C) ΔT 60 = W	174,6	217,4	147,6	170,2	192	213,2	378	413	446,4	154,5	163,5	198,4	228,1
(75/65/20°C) ΔT 50 = W	**138**	**172,4**	**116,5**	**134,5**	**152**	**169**	**292,5**	**320,4**	**347,2**	**121,9**	**129,1**	**157,1**	**180,7**
(65/55/20°C) ΔT 40 = W	103,5	129,7	87,1	100,8	114,1	127,2	213,7	234,8	255,3	91,3	96,7	118,1	135,9
(55/45/20°C) ΔT 30 = W	71,4	90	60	69,5	78,9	88,1	142,6	157,3	171,8	62,8	66,7	81,7	94,1
Water Content [lt]	2	2,5	1,7	1,9	2,2	2,4	4,36	4,84	5,29	1,77	1,85	2,25	2,56
Dry Weight [kg]	3,09	3,93	2,58	3	3,42	3,85	7,23	8,11	8,95	2,7	2,87	3,56	3,92
Exp. [n]	1,29	1,273	1,3	1,292	1,283	1,275	1,407	1,392	1,378	1,298	1,294	1,281	1,277
Nominal flow rate [kg/h]	11,9	14,8	10	11,6	13,1	14,5	25,2	27,6	29,9	10,5	11,1	13,5	15,5
Radiation quote [%]	18	17	18	18	17	17	15	14	13	18	18	17	17
Surface [m²]	0,32	0,41	0,27	0,31	0,36	0,4	0,76	0,85	0,94	0,28	0,3	0,37	0,43



6 COLUMNS HEIGHTS FOR REPLACEMENT

ardesia

N° OF SECTIONS		CAST IRON		ALUMINIUM							LAMELLAR		PANEL	
WIDTH [mm]	H	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
	Pipe Centres	620	820	500	600	700	800	1600	1800	2000	530	570	730	870
3														
138 mm	W	414	517	350	404	456	507	878	961	1042	366	387	471	542
4														
184 mm	W	552	690	466	538	608	676	1170	1282	1389	488	516	628	723
5														
230 mm	W	690	862	583	673	760	845	1463	1602	1736	610	646	786	904
6														
276 mm	W	828	1034	699	807	912	1014	1755	1922	2083	731	775	943	1084
7														
322 mm	W	966	1207	816	942	1064	1183	2048	2243	2430	853	904	1100	1265
8														
368 mm	W	1104	1379	932	1076	1216	1352	2340	2563	2778	975	1033	1257	1446
9														
414 mm	W	1242	1552	1049	1211	1368	1521	2633	2884	3125	1097	1162	1414	1626
10														
460 mm	W	1380	1724	1165	1345	1520	1690	2925	3204	3472	1219	1291	1571	1807
11														
506 mm	W	1518	1896	1282	1480	1672	1859	3218	3524	3819	1341	1420	1728	1988
12														
552 mm	W	1656	2069	1398	1614	1824	2028	3510	3845	4166	1463	1549	1885	2168
13														
598 mm	W	1794	2241	1515	1749	1976	2197	3803	4165	4514	1585	1678	2042	2349
14														
644 mm	W	1932	2414	1631	1883	2128	2366	4095	4486	4861	1707	1807	2199	2530
15														
690 mm	W	2070	2586	1748	2018	2280	2535	4388	4806	5208	1829	1937	2357	2711
16														
736 mm	W	2208	2758	1864	2152	2432	2704	4680	5126	5555	1950	2066	2514	2891
17														
782 mm	W	2346	2931	1981	2287	2584	2873	4973	5447	5902	2072	2195	2671	3072
18														
828 mm	W	2484	3103	2097	2421	2736	3042	5265	5767	6250	2194	2324	2828	3253
19														
874 mm	W	2622	3276	2214	2556	2888	3211	5558	6088	6597	2316	2453	2985	3433
20														
920 mm	W	2760	3448	2330	2690	3040	3380	5850	6408	6944	2438	2582	3142	3614
21														
966 mm	W	2898	3620	2447	2825	3192	3549	6143	6728	7291	2560	2711	3299	3795
22														
1012 mm	W	3036	3793	2563	2959	3344	3718	6435	7049	7638	2682	2840	3456	3975
23														
1058 mm	W	3174	3965	2680	3094	3496	3887	6728	7369	7986	2804	2969	3613	4156
24														
1104 mm	W	3312	4138	2796	3228	3648	4056	7020	7690	8333	2926	3098	3770	4337
25														
1150 mm	W	3450	4310	2913	3363	3800	4225	7313	8010	8680	3048	3228	3928	4518
26														
1196 mm	W	3588	4482	3029	3497	3952	4394	7605	8330	9027	3169	3357	4085	4698
27														
1242 mm	W	3726	4655	3146	3632	4104	4563	7898	8651	9374	3291	3486	4242	4879
28														
1288 mm	W	3864	4827	3262	3766	4256	4732	8190	8971	9722	3413	3615	4399	5060
29														
1344 mm	W	4002	5000	3379	3901	4408	4901	8483	9292	10069	3535	3744	4556	5240
30														
1380 mm	W	4140	5172	3495	4035	4560	5070	8775	9612	10416	3657	3873	4713	5421
31														
1426 mm	W	4278	5344	3612	4170	4712	5239	9068	9932	10763	3779	4002	4870	5602
32														
1472 mm	W	4416	5517	3728	4304	4864	5408	9360	10253	11110	3901	4131	5027	5782
33														
1518 mm	W	4554	5689	3845	4439	5016	5577	9653	10573	11458	4023	4260	5184	5963
34														
1564 mm	W	4692	5862	3961	4573	5168	5746	9945	10894	11805	4145	4389	5341	6144
35														
1610 mm	W	4830	6034	4078	4708	5320	5915	10238	11214	12152	4267	4519	5499	6325
36														
1656 mm	W	4968	6206	4194	4842	5472	6084	10530	11534	12499	4388	4648	5656	6505
37														
1702 mm	W	5106	6379	4311	4977	5624	6253	10823	11855	12846	4510	4777	5813	6686
38														
1748 mm	W	5244	6551	4427	5111	5776	6422	11115	12175	13194	4632	4906	5970	6867
39														
1794 mm	W	5382	6724	4544	5246	5928	6591	11408	12496	13541	4754	5035	6127	7047
40														
1840 mm	W	5520	6896	4660	5380	6080	6760	11700	12816	13888	4876	5164	6284	7228

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nippling operation) with lock key smaller than 1 mt.
Each couple of batteries inclusive of 2 nipples and 2 seals. For batteries with more than 55 sections with lateral connection, see probes kit at page 539



ARDESIA®
BENCH

page 25

WARRANTY
5 YEARS

Functioning:	hot water

Maximun working pressure	10 bar
Testing conditions	13 bar

Maximum temperature	110°C
Minimum flow in % of the nominal flow rate:	18

Hub	1"
Section width	46 mm

MATERIAL:
• Heads moulded in mild steel plate.
• Tubes in mild steel electro-welded ø 25 mm.
• Seat in solid wood 25 mm thickness

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled carton. User notice included.

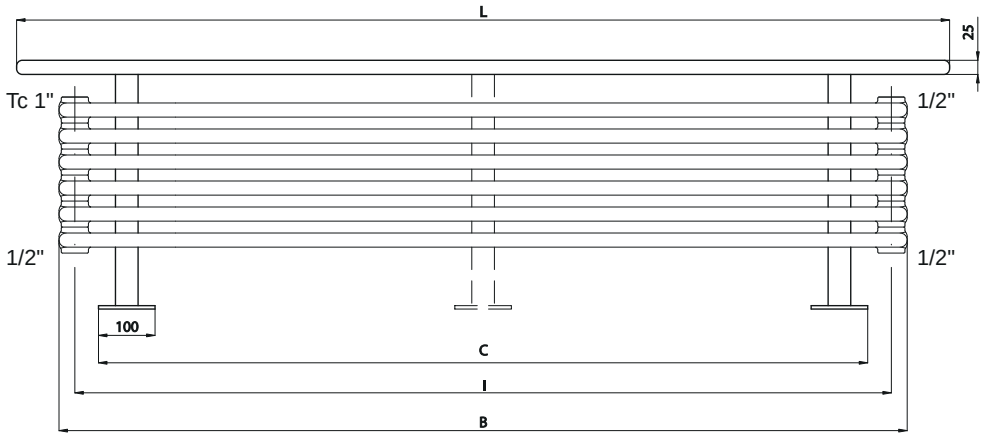
PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Standard white RAL 9010 - R01. Other colours see page 560.

CERTIFICATIONS

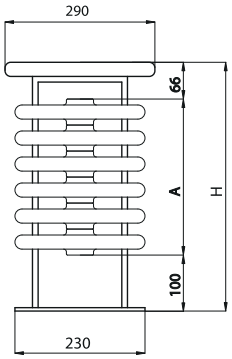
CE

EN 442-1 EURONORM RADIATORS AND CONVECTORS





Top view - single 6 column section



A third feet is provided from L 1950 mm as additional central support.

ARDESIA® BENCH 6 COLUMNS

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

Art. nr.	Height H [mm]	Width L [mm]	Nr. Elements	Pipe Centres I [mm]	A [mm]	B [mm]	C [mm]	Dry Weight [Kg]	Water content [lt]	Output Δt=50°C		Output Δt=60°C		Exp. n
										Watt	kcal/h *	Watt	kcal/h *	
3541706109507		650		444	184	500	350	28	6,4	424	365	540	464	1,348
3541706109508		806		600	184	656	506	32	7,6	536	461	685	589	1,346
3541706109509		1006		800	184	856	706	38	9,6	676	581	864	743	1,343
3541706109489		1350		1144	184	1200	1050	45	13,0	900	744	1149	988	1,337
3541706109490	**350**	1650	4	1444	184	1500	1350	53	15,8	1080	929	1377	1184	1,333
3541706109491		1950		1744	184	1800	1650	62	18,7	1252	1077	1595	1372	1,328
3541706109492		2150		1944	184	2000	1850	71	20,7	1360	1170	1732	1489	1,325
3541706109493		2350		2144	184	2200	2050	77	22,6	1464	1259	1863	1602	1,322
3541706109494		2650		2444	184	2500	2350	86	25,5	1612	1386	2050	1763	1,317
3541706109510		650		444	230	500	350	31	8,0	530	456	678	583	1,348
3541706109511		806		600	230	656	506	36	9,5	670	576	856	736	1,346
3541706109512		1006		800	230	856	706	43	12,0	845	727	1079	928	1,343
3541706109495		1350		1144	230	1200	1050	51	16,2	1125	968	1436	1235	1,337
3541706109496	**396**	1650	5	1444	230	1500	1350	61	19,8	1350	1161	1721	1480	1,333
3541706109497		1950		1744	230	1800	1650	70	23,4	1565	1346	1994	1715	1,328
3541706109498		2150		1944	230	2000	1850	81	25,8	1770	1462	2165	1862	1,325
3541706109499		2350		2144	230	2200	2050	88	28,2	1830	1574	2329	2003	1,322
3541706109500		2650		2444	230	2500	2350	98	31,8	2015	1733	2562	2203	1,317
3541706109513		650		444	276	500	350	34	9,6	636	547	810	697	1,348
3541706109514		806		600	276	656	506	40	11,4	804	691	1028	884	1,346
3541706109515		1006		800	276	856	706	48	14,4	1014	872	1296	1115	1,343
3541706109501		1350		1144	276	1200	1050	57	19,4	1350	1161	1723	1482	1,337
3541706109502	**442**	1650	6	1444	276	1500	1350	68	23,8	1620	1393	2066	1776	1,333
3541706109503		1950		1744	276	1800	1650	79	28,1	1878	1615	2393	2058	1,328
3541706109504		2150		1944	276	2000	1850	91	31,0	2040	1754	2597	2234	1,325
3541706109505		2350		2144	276	2200	2050	98	33,9	2196	1889	2795	2403	1,322
3541706109506		2650		2444	276	2500	2350	109	38,2	2418	2079	3074	2644	1,317



ARDESIA®
HYGIENIC

page 26

WARRANTY
5 YEARS

Functioning:	hot water

Maximun working pressure	10 bar
Testing conditions	13 bar

Maximum temperature	110°C
Minimum flow in % of the nominal flow rate:	18

Hub	1"
Section width	65 mm

MATERIAL:
- Pressed heads in carbon steel sheet.
- Welded carbon steel tube ø 25 mm.
- Space rings between sections welded with robotized technology of PULSED SPRAY WELDING.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled carton. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

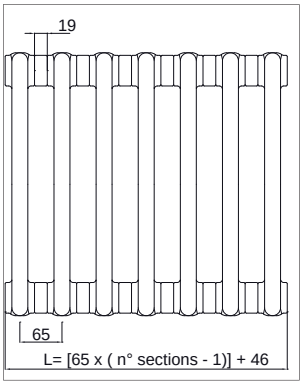
COLOURS:
Standard white RAL 9010 - R01. Other colours see page 560.

CERTIFICATIONS

CE EN 442-1 EURONORM RADIATORS AND CONVECTORS



Space rings between sections welded with robotized technology of PULSED SPRAY WELDING



On demand, it is possible to realize ardesia in hygienic version, with all connections, heights, dimensions and finishing. This execution extends the water content of Ardesia® to be applied also to sanitary and community centers subject to severe norms for hygiene in heating systems.

The space between the sections has been conceived to facilitate an accurate cleaning on all radiator surface. For additional informations feel free to contact our sales department.

HOW TO ORDER **ARDESIA® HYGIENIC**

ARTICLE NR. STRUCTURE

Model and nr COLUMNS	Elements nr.	Height in mm	Article code of the connection	Article code of the colour	Constant value
AAA	BB	CCCC	DDD	EEE	A

EXAMPLE

Model and nr COLUMNS E.g.: Ardesia® Hygienic 3 COLUMNS	Numero elements E.g.: 19 elements	Height in mm Example: 207 mm	Article code of the connection Example: connection D1	Article code of the colour Example: H48-Dove	Constant value
AH3	19	0207	D01	H48	A

EXAMPLE OF ARTICLE CODE CREATION

In the case of a radiator:
AH3 ARDESIA® HYGIENC 3 COLUMNS
19 19 elements (see the table shown on the side)
0207 Height 207 mm (see the table shown on the side)
D01 connection D1 (see page 254)
H48 colour H48-Dove (see page 560)
A (Constant value)
The article code will be:
AH3 19 0207 D01 H48 A



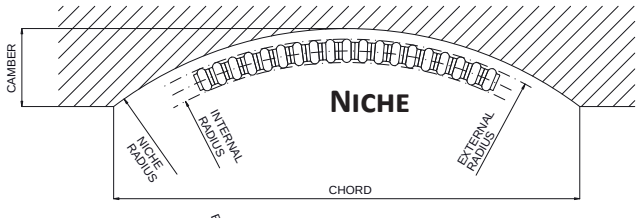
ARDESIA®
SPECIAL EXECUTIONS

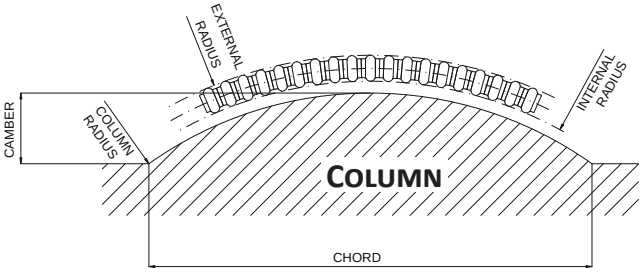
page 24

WARRANTY
5 YEARS

ARDESIA® CURVED

Among all special executions, the ardesia Curved model is the ideal solution for the installation around a column or within a wall niche.
Curved batteries are realizable on demand with the following minimum internal bending: Minimum internal bending: 1000 mm for 2 and 3 columns - 1300 mm for 4, 5 and 6 columns..
The development of the battery can not exceed the semi-circonference, that is the angle covered by the curve needs to be less than 180°





HOW TO ORDER
When sending the order please specify:
• N. of columns • N. of sections • Height.
• Radius and Chord as indicated in below technical drawing.
• Type of connections.

ARDESIA® ANGLED

On demand it is possible to realize customised batteries of Ardesia® Angled.



HOW TO ORDER
When ordering please specify:
• n° of columns,
• n° of sections side 1 and side 2
• Height
• Connections and colour
• Angle type and measure

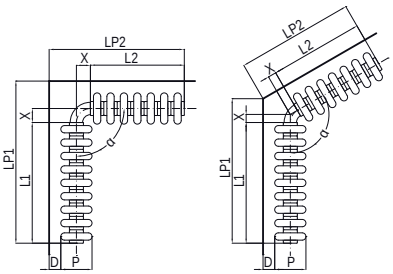
End cap, reducing bushes and nipples included but not mounted.

page 25

WARRANTY
5 YEARS

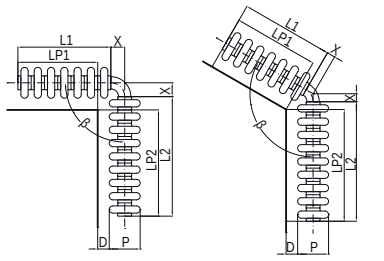
CLOSING WALL - ANGLE

N° di COLUMNS	P [mm]	Distance X [mm] depending on angle **α**						Value to add or subtract to ***(number of sections x 46)*** so to obtain the wall encumbrance ***LP*** with D= 20 depending on angle **α**					
		α = 90°	α = 105°	**α** = 120°	**α** = 135°	**α** = 150°	**α** = 165°	**α** = 90°	**α** = 105°	**α** = 120°	**α** = 135°	**α** = 150°	**α** = 165°
2	66	48	37	28	20	13	6	48	51	58	73	105	204
3	107	48	37	28	20	13	6	48	57	70	93	140	281
4	148	93	71	54	39	25	12	93	97	108	133	188	363
5	189	93	71	54	39	25	12	93	102	120	153	223	440
6	230	118	96	79	64	50	37	93	102	120	153	223	440



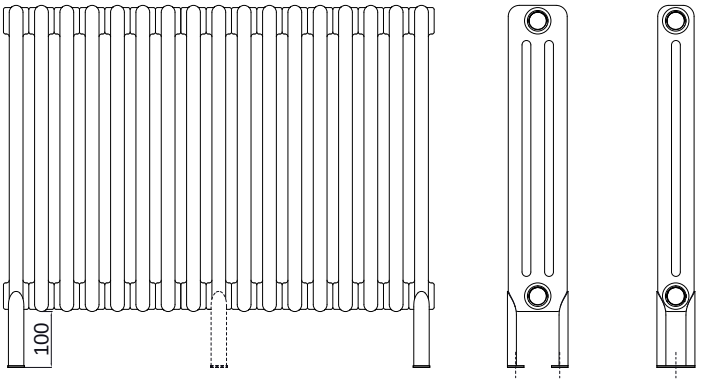
OPENING WALL - ANGLE

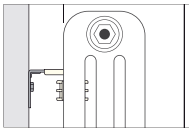
N° di COLUMNS	P [mm]	Distance X [mm] depending on angle **β**						Value to add or subtract to ***(number of sections x 46)*** so to obtain the wall encumbrance ***LP*** with D= 20 depending on angle **β**					
		β = 90°	**β** = 105°	**β** = 120°	**β** = 135°	**β** = 150°	**β** = 165°	**β** = 90°	**β** = 105°	**β** = 120°	**β** = 135°	**β** = 150°	β = 165°
2	66	48	37	28	20	13	6	5	4	3	2	1	1
3	107	48	37	28	20	13	6	26	20	15	11	7	3
4	148	93	71	54	39	25	12	1	1	1	0	0	0
5	189	93	71	54	39	25	12	22	16	12	9	6	3
6	230	118	96	79	64	50	37	17	7	-1	-8	-14	-19



ARDESIA® WITH WELDED FEET

Ardesia® with welded feet support is available on demand. The floor feet Support is welded to the battery and in matching colour. Standard height for The feet is 100mm. On demand, it is possible to realize feet up to 150mm of height.

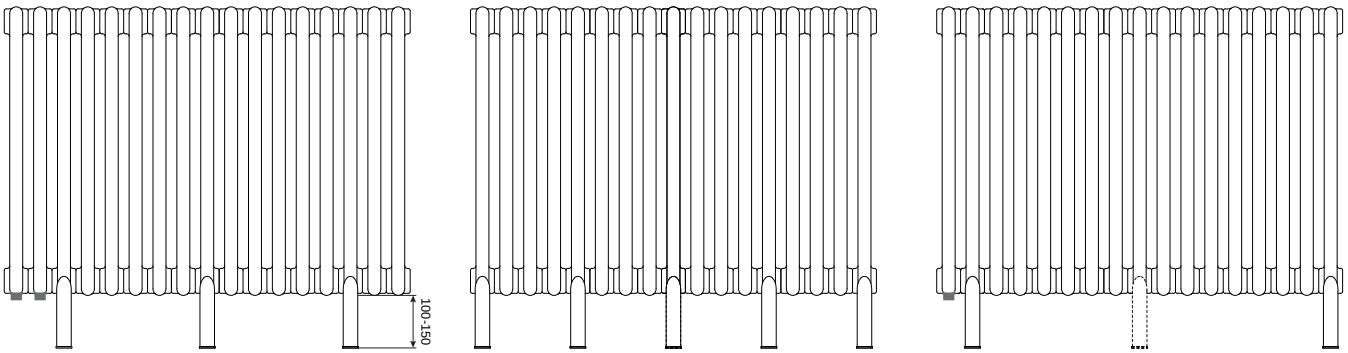




On ARDESIA® with welded feet it is necessary to always install the wall stabiliser kit.
Art. nr. 5991990310307

	2 COLUMNS	3 COLUMNS	4 COLUMNS	5 COLUMNS	6 COLUMNS	FEET STANDARD HEIGHT
MOUNTING OPTIONS	connected at the base	free				[mm]
from 3 to 23 SECTIONS	**2 pairs**	**2 pairs**	**2 pairs**	**2 pairs**	**2 pairs**	100
from 24 to 40 SECTIONS	**3 pairs**	**3 pairs**	**3 pairs**	**pairs**	**4 pairs**	100
from 40 to 63 SECTIONS	**4 pairs**	**4 pairs**	**4 pairs**	**4 pairs**	**4 pairs**	100

For special executions or for welded bottom sleeves connections, it is possible to customise batteries with a major or odd number of welded feet to facilitate installation.

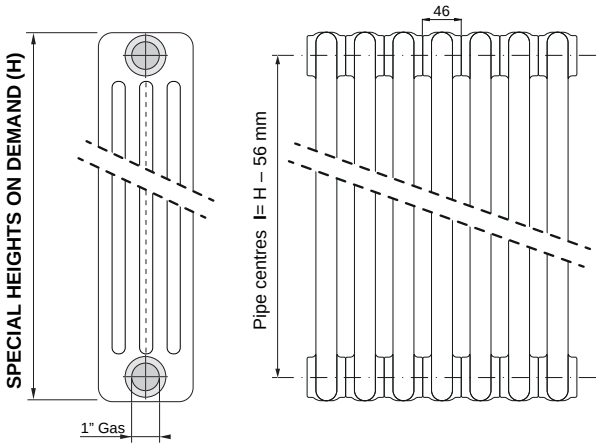


SPECIAL HEIGHTS (NON STANDARD)

For replacing old radiators or for specific installation needs, it is possible to realize Special Heights, not indicated in pricelist, from 207 mm up to 2500 mm.

SURCHARGE FOR SPECIAL HEIGHTS ON DEMAND

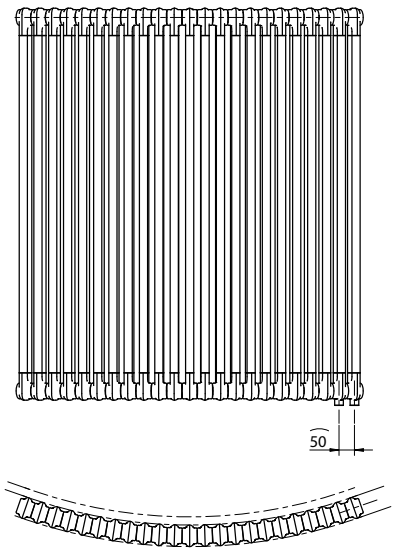
Price reference
Refer to the price of the immediate higher standard height



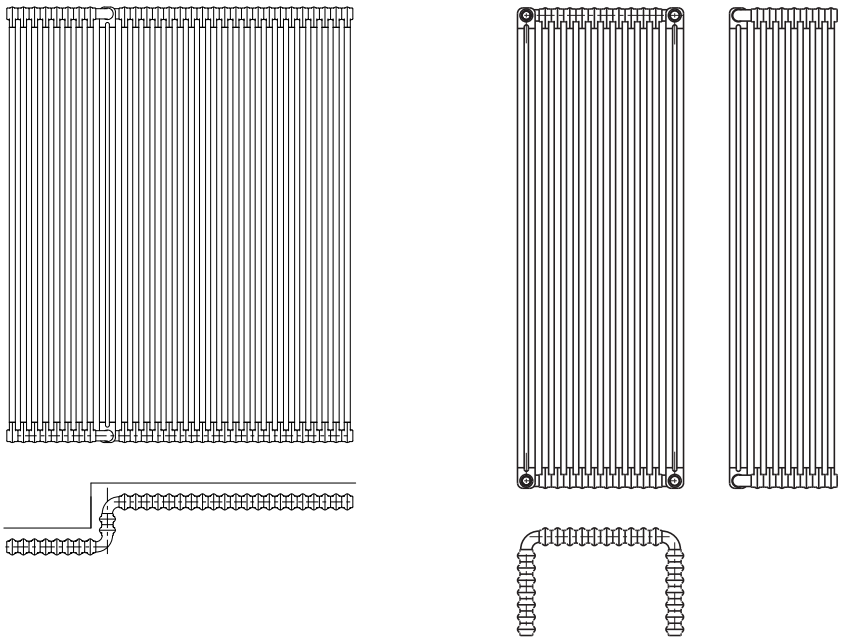
SPECIAL HEIGHTS ON DEMAND (H)

EXAMPLES OF CUSTOMISED EXECUTIONS

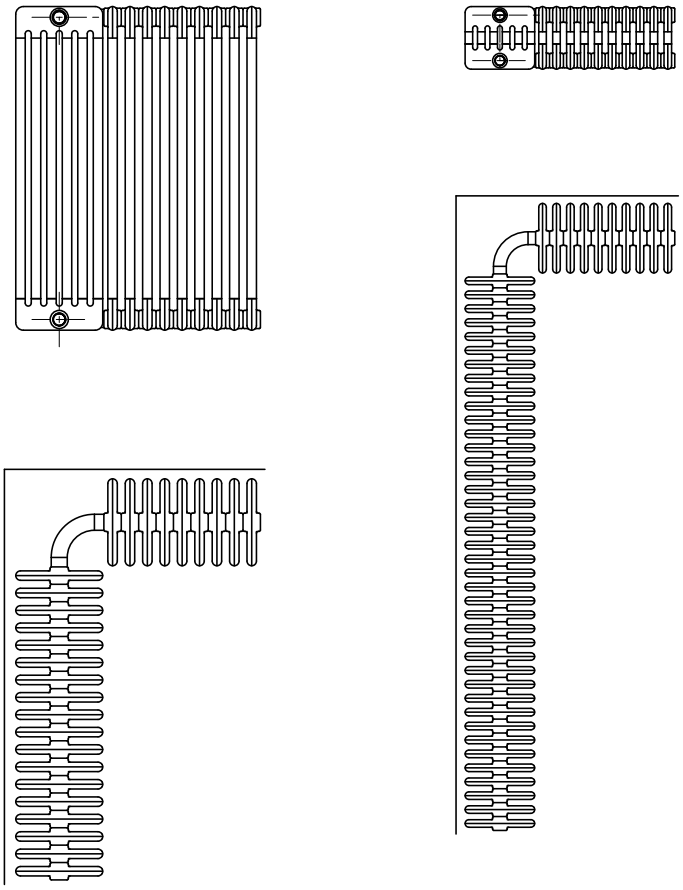
CURVED



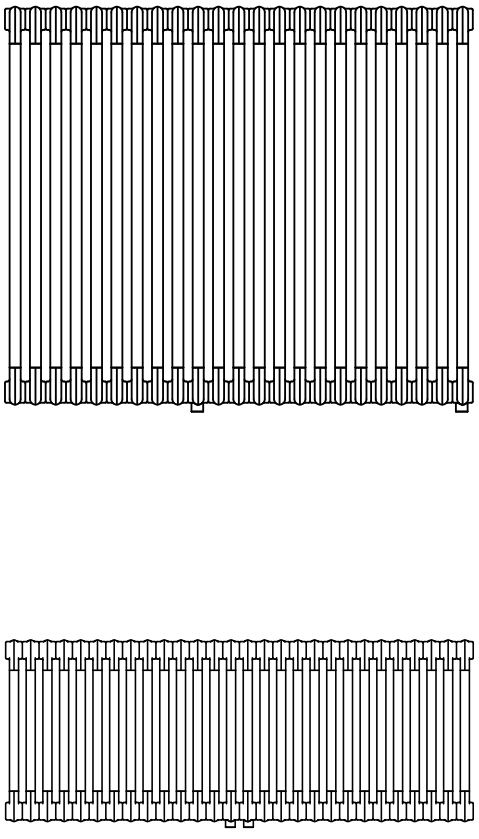
DOUBLE ANGLES



SINGLE ANGLE



CUSTOMISED WELDED SLEEVES





CLAUDIA®
ELITE

page 30

WARRANTY
5 YEARS

MATERIAL:
• Vertical collectors in painted mild steel semi oval 30x40 mm.
• Horizontal heating elements in painted mild steel ø 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Claudia® Elite radiator is available on request in all the colours from the chart at page 540.

ACCESSORIES:
Claudia® Elite radiator includes a pair of hooks in the same colour of the radiator and coloured Kristal valves kit, complete with fittings for copper (Ø 12/14/15) and multilayer (Ø 16).

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

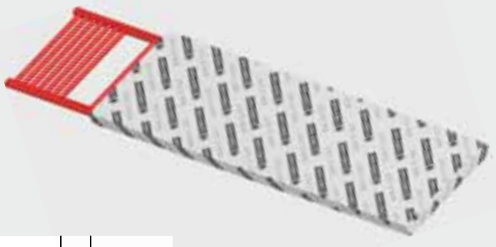
CERTIFICATIONS

EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

NF Radiators, convectors and ceiling-mounted radiant panels, hot water heating, fan assisted and mixed

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES INCLUDED





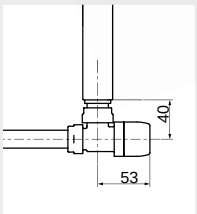
COMPLETE COLOURED VALVE KIT INCLUDED



COLOURED 2 HOOKS KIT INCLUDED



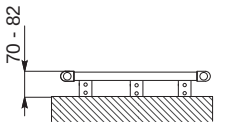
COLOURED FIXING KIT INCLUDED

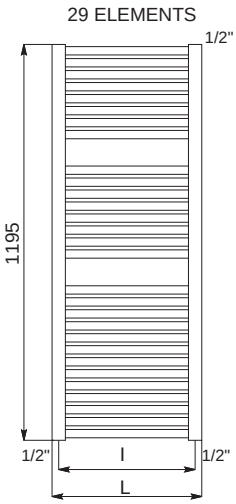


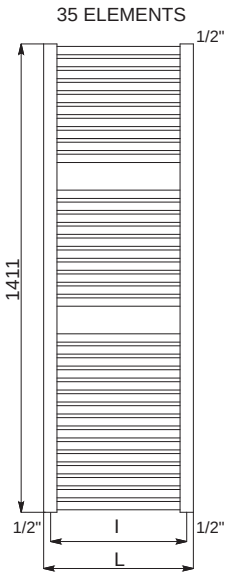
Quotes for square Kristal valves with thermostatic option

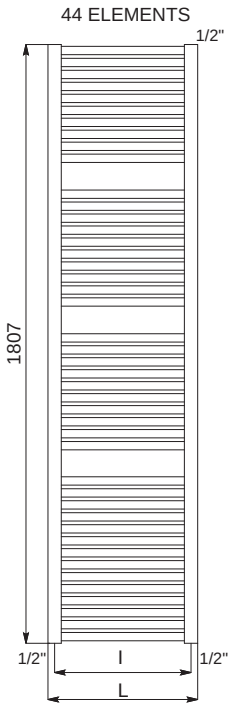
If ordered separately from the radiator, the accessories are available in standard white only.

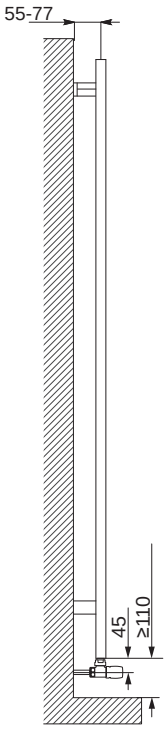
Accessories and spare parts - see from page 528











Quotes for Kristal valves

CLAUDIA® ELITE

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Thermal output [Watt] Δt=30°C	Exp. n	Dual energy kit [Watt]
1195	450	400	8,6	1,146	6,8	534	281	1,2551	600
	500	450	9,3	1,26	7,4	595	314	1,2488	700
	600	550	10,6	1,488	8,7	716	380	1,2395	900
1411	450	400	10,2	1,375	8,2	648	341	1,2583	700
	500	450	11,1	1,513	8,9	719	380	1,2498	900
	600	550	12,7	1,788	10,4	862	458	1,2371	900
1807	450	400	13	1,73	10,3	821	431	1,2631	900
	500	450	14	1,91	11,3	907	479	1,2513	900
	600	550	16,1	2,25	13,2	1077	574	1,2336	1200

Claudia® Elite radiator includes a pair of hooks in the same colour of the radiator and coloured Kristal valves kit, complete with fittings for copper and multilayer. .

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n

TO ORDER CLAUDIA® ELITE YOU JUST NEED TO CHOOSE SIZE AND COLOUR.



CLAUDIA®

page 32

WARRANTY
5 YEARS

MATERIAL:
• Vertical collectors in painted mild steel semi oval 30x40 mm.
• Horizontal heating elements in painted mild steel ø 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water	☑ Electric (see page 344)	☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE

EN 442-1 EURONORM RADIATORS AND CONVECTORS

NF Radiators, convectors and ceiling-mounted radiant panels, hot water heating, fan assisted and mixed

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



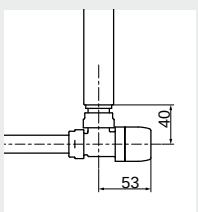
Towel bar painted mild steel-white R01

WIDTH 377 mm



Kit 2 Hooks
- White R01

Art. nr. 5991990310028

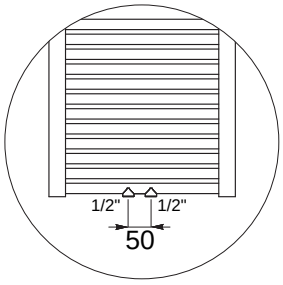


Quotes for square Kristal valves with thermostatic option

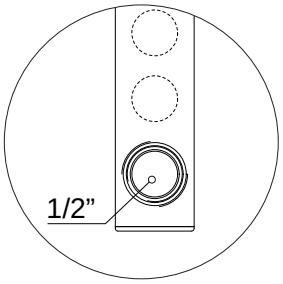
Art. nr.	Available on width
5991990310047	≥ 400 mm
5991990310029	≥ 500 mm
5991990310034	≥ 600 mm
5991990310030	≥ 750 mm

If ordered separately from the radiator, the accessories are available in standard white only.

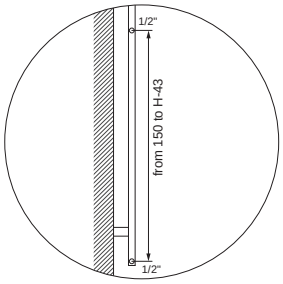
Accessories and spare parts - see from page 528



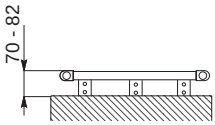
Detail of the pipe centres 50 mm version

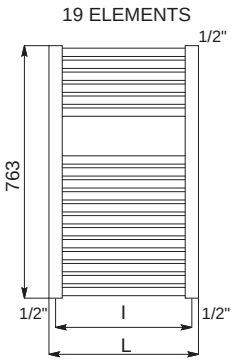


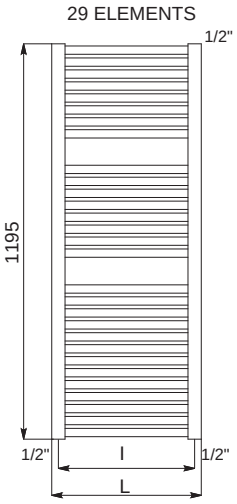
Detail of lateral 1/2" connection (see futher pages)

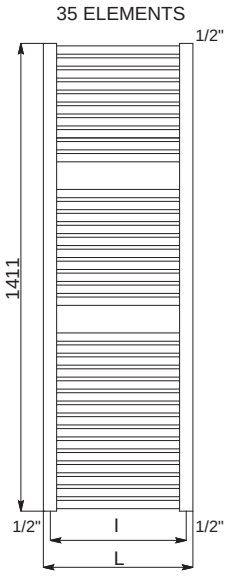


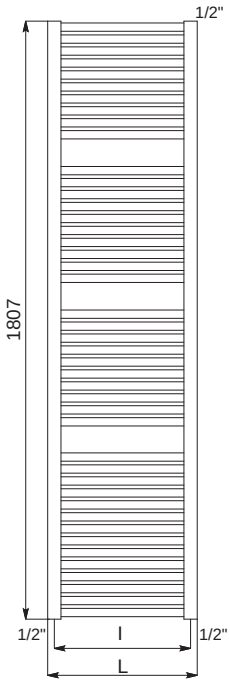
Detail of 2 lateral sleeves connection (see futher pages)

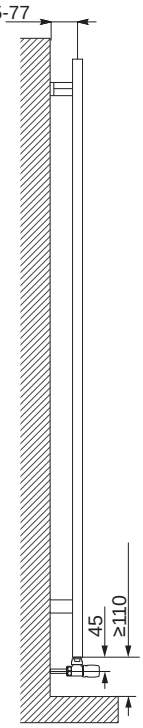












Quotes for Kristal valves

CLAUDIA®

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Thermal output [Watt] Δt=30°C	Exp. n	Dual energy kit [Watt]
763	400	350	3551356100025	3551356101025	5,1	0,671	4,0	316	169	1,2241	400
	450	400	3551356100001	3551356101001	5,5	0,746	4,4	349	184	1,2497	400
	500	450	3551356100004	3551356101004	6,0	0,821	4,8	389	206	1,2472	400
	550	500	3551356100008	3551356101008	6,5	0,895	5,2	430	228	1,2451	500
	600	550	3551356100011	3551356101011	6,9	0,970	5,7	470	249	1,2434	500
	750	700	3551356100015	3551356101015	8,3	1,194	6,9	591	314	1,2397	700
	1000	950	3551356100019	3551356101019	10,5	1,567	8,9	792	421	1,2361	900
1195	400	350	3551356100026	3551356101026	7,9	1,032	6,2	478	253	1,2463	600
	450	400	3551356100002	3551356101002	8,6	1,146	6,8	534	281	1,2551	600
	500	450	3551356100005	3551356101005	9,3	1,260	7,4	595	314	1,2488	700
	550	500	3551356100009	3551356101009	9,9	1,374	8,1	656	348	1,2437	700
	600	550	3551356100012	3551356101012	10,6	1,488	8,7	716	380	1,2395	900
	750	700	3551356100016	3551356101016	12,7	1,830	10,6	899	480	1,2301	900
	1000	950	3551356100020	3551356101020	16,2	2,399	16,7	1202	644	1,2207	1200
1411	400	350	3551356100027	3551356101027	9,4	1,238	7,4	583	306	1,2596	700
	450	400	3551356100023	3551356101023	10,2	1,375	8,2	648	341	1,2583	700
	500	450	3551356100006	3551356101006	11,1	1,513	8,9	719	380	1,2498	900
	550	500	3551356100024	3551356101024	11,9	1,650	9,7	791	419	1,2429	900
	600	550	3551356100013	3551356101013	12,7	1,788	10,4	862	458	1,2371	900
	750	700	3551356100017	3551356101017	15,3	2,200	12,7	1077	576	1,2244	1200
	1000	950	3551356100021	3551356101021	19,4	2,880	16,4	1434	772	1,2115	1200
1807	400	350	3551356100028	3551356101028	11,9	1,650	9,3	753	392	1,2796	900
	450	400	3551356100003	3551356101003	13,0	1,730	10,3	821	431	1,2631	900
	500	450	3551356100007	3551356101007	14,0	1,910	11,3	907	479	1,2513	900
	550	500	3551356100010	3551356101010	15,1	2,083	12,2	992	526	1,2417	1200
	600	550	3551356100014	3551356101014	16,1	2,250	13,2	1077	574	1,2336	1200
	750	700	3551356100018	3551356101018	19,3	2,774	16,0	1333	716	1,2157	1200
	1000	950	3551356100022	3551356101022	24,5	3,638	20,7	1760	955	1,1978	1200

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

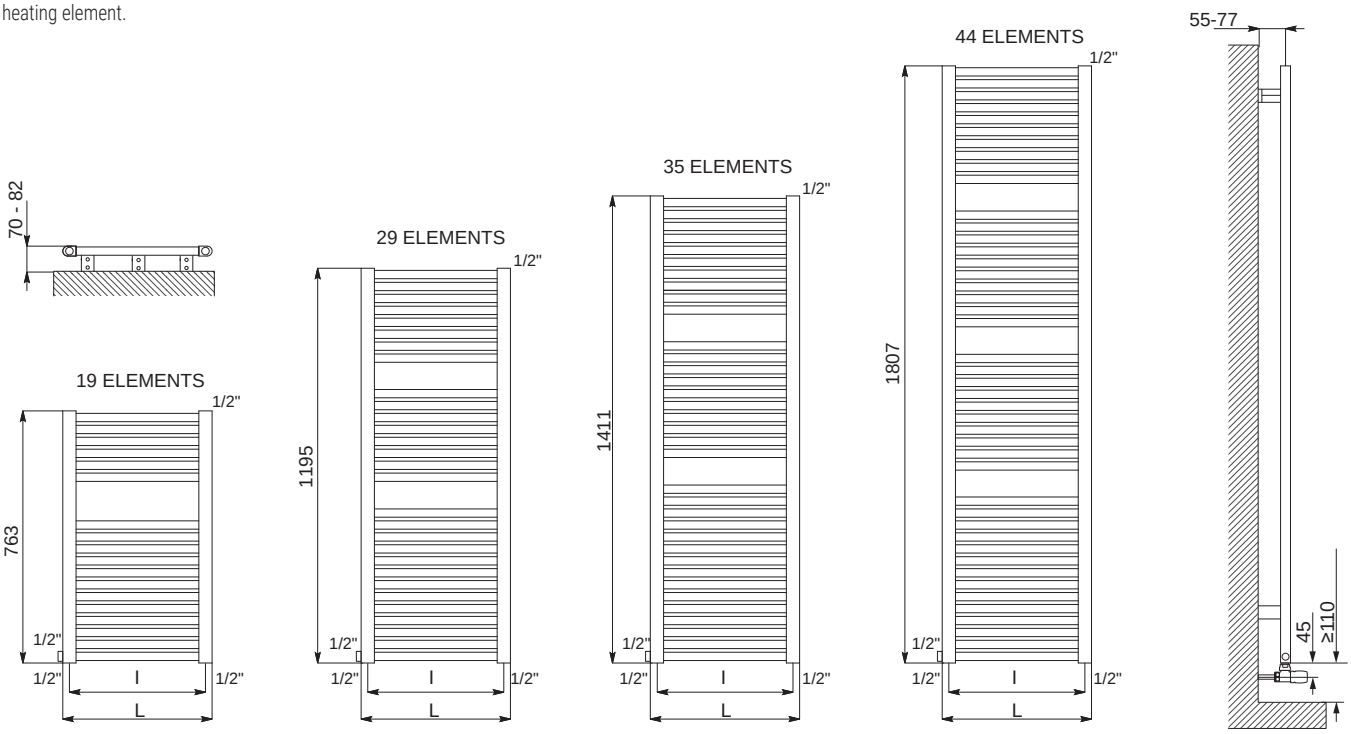
For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



CLAUDIA® AL
LATERAL CONNECTION

Detail of lateral 1/2" connection on the collector, in correspondence of the first heating element.

WARRANTY
5 YEARS



Quotes for Kristal valves

CLAUDIA® AL (LATERAL CONNECTION)

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Thermal output [Watt] Δt=30°C	Exp. n	Dual energy kit [Watt]
763	400	350	3551356100725	5,1	0,671	4,0	316	169	1,2241	400
	450	400	3551356100701	5,5	0,746	4,4	349	184	1,2497	400
	500	450	3551356100704	6,0	0,821	4,8	389	206	1,2472	400
	550	500	3551356100708	6,5	0,895	5,2	430	228	1,2451	500
	600	550	3551356100711	6,9	0,970	5,7	470	249	1,2434	500
	750	700	3551356100715	8,3	1,194	6,9	591	314	1,2397	700
	1000	950	3551356100719	10,5	1,567	8,9	792	421	1,2361	900
1195	400	350	3551356100726	7,9	1,032	6,2	478	253	1,2463	600
	450	400	3551356100702	8,6	1,146	6,8	534	281	1,2551	600
	500	450	3551356100705	9,3	1,260	7,4	595	314	1,2488	700
	550	500	3551356100709	9,9	1,374	8,1	656	348	1,2437	700
	600	550	3551356100712	10,6	1,488	8,7	716	380	1,2395	900
	750	700	3551356100716	12,7	1,830	10,6	899	480	1,2301	900
	1000	950	3551356100720	16,2	2,399	16,7	1202	644	1,2207	1200
1411	400	350	3551356100727	9,4	1,238	7,4	583	306	1,2596	700
	450	400	3551356100723	10,2	1,375	8,2	648	341	1,2583	700
	500	450	3551356100706	11,1	1,513	8,9	719	380	1,2498	900
	550	500	3551356100724	11,9	1,650	9,7	791	419	1,2429	900
	600	550	3551356100713	12,7	1,788	10,4	862	458	1,2371	900
	750	700	3551356100717	15,3	2,200	12,7	1077	576	1,2244	1200
	1000	950	3551356100721	19,4	2,880	16,4	1434	772	1,2115	1200
1807	400	350	3551356100728	11,9	1,650	9,3	753	392	1,2796	900
	450	400	3551356100703	13,0	1,730	10,3	821	431	1,2631	900
	500	450	3551356100707	14,0	1,910	11,3	907	479	1,2513	900
	550	500	3551356100710	15,1	2,083	12,2	992	526	1,2417	1200
	600	550	3551356100714	16,1	2,250	13,2	1077	574	1,2336	1200
	750	700	3551356100718	19,3	2,774	16,0	1333	716	1,2157	1200
	1000	950	3551356100722	24,5	3,638	20,7	1760	955	1,1978	1200

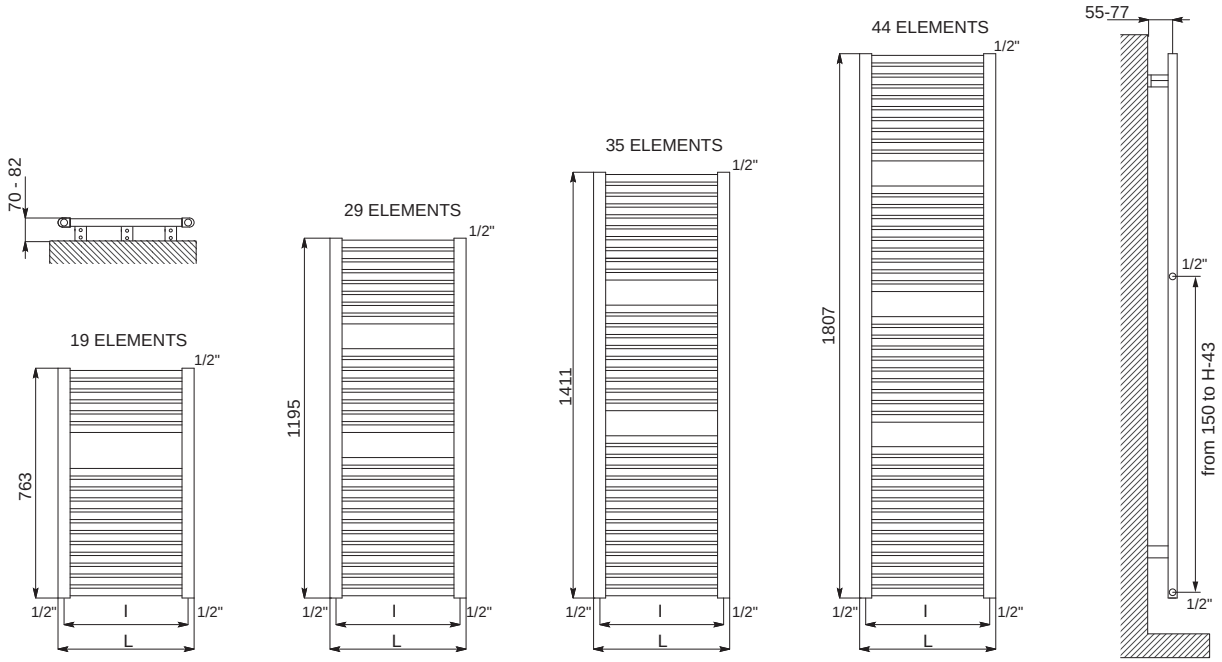
Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



CLAUDIA®
2 LATERAL SLEEVES

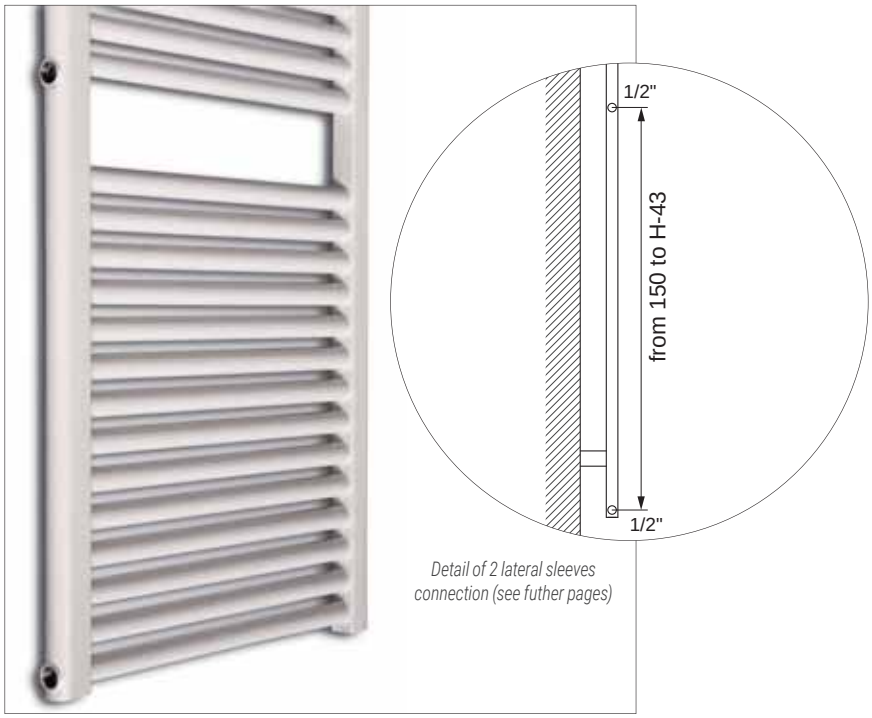
WARRANTY
5 YEARS



LATERAL CONNECTION
(2 SLEEVES ½")

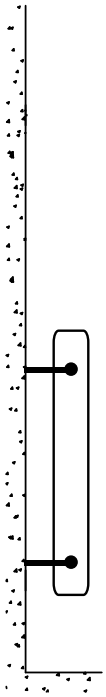
The first sleeve of ½" is aligned with first heating element (21.5 mm from the base of the vertical collector).
The second sleeve of ½" can be placed at the desired distance. The distance has to be specified when sending purchase order. Available pipes centres: from 150 mm to 43 mm of height.

Please contact our sales department for customized models.



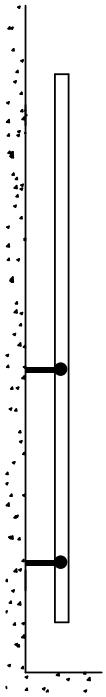
Detail of 2 lateral sleeves connection (see futher pages)

BEFORE



Old radiator

AFTER



New CORDIVARI towel rail radiator



CLAUDIA®
WIDE

page 34

EUROPEAN
WARRANTY

MATERIAL:
• Vertical collectors in painted mild steel semi oval 30x40 mm.
• Horizontal heating elements in painted mild steel ø 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



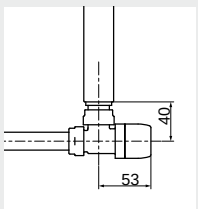
White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

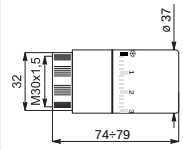


Kit 2 Hooks
- White R01

Art. nr. 5991990310028



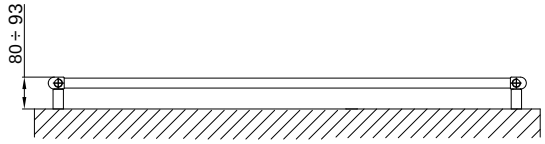
Quotes for square Kristal valves with thermostatic option

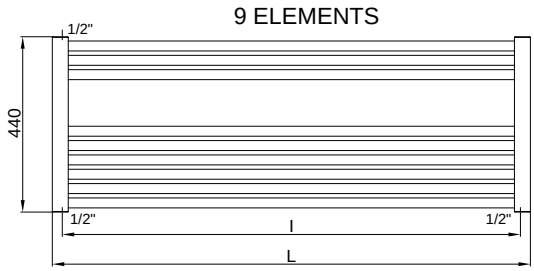


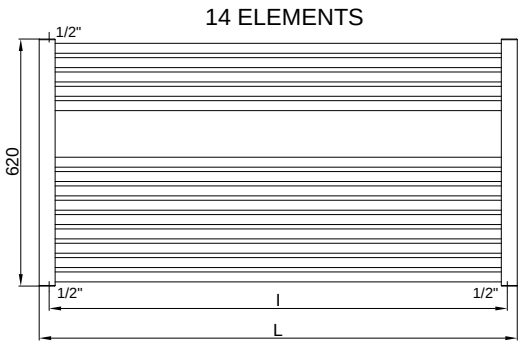
Thermostatic head quotes

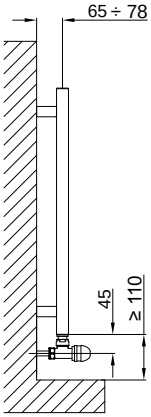
If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528









Quotes for Kristal valves

CLAUDIA® WIDE

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Thermal output [Watt] Δt=30°C	Exp. n	Dual energy kit [Watt]
440	1200	1150	3551356100101	6,1	0,903	5,1	471	261	1,155	400
	1400	1350	3551356100103	6,9	1,045	5,9	558	311	1,145	400
620	1200	1150	3551356100102	9,3	1,389	7,9	712	390	1,176	700
	1400	1350	3551356100104	10,6	1,609	9,1	837	457	1,183	700

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



CLAUDIA®
CURVED

page 36

EUROPEAN
WARRANTY

NEW

MATERIAL:
• Vertical collectors in painted mild steel semi oval 30x40 mm.
• Curved horizontal heating elements in painted mild steel ø 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE

EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

NF Radiators, convectors and ceiling-mounted radiant panels, hot water heating, fan assisted and mixed

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



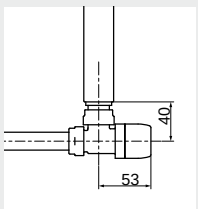
White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

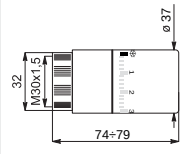


Kit 2 Hooks
- White R01

Art. nr. 5991990310028



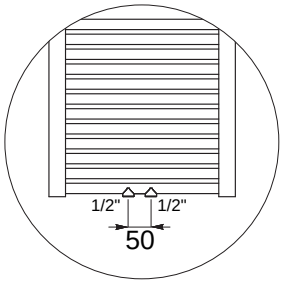
Quotes for square Kristal valves with thermostatic option



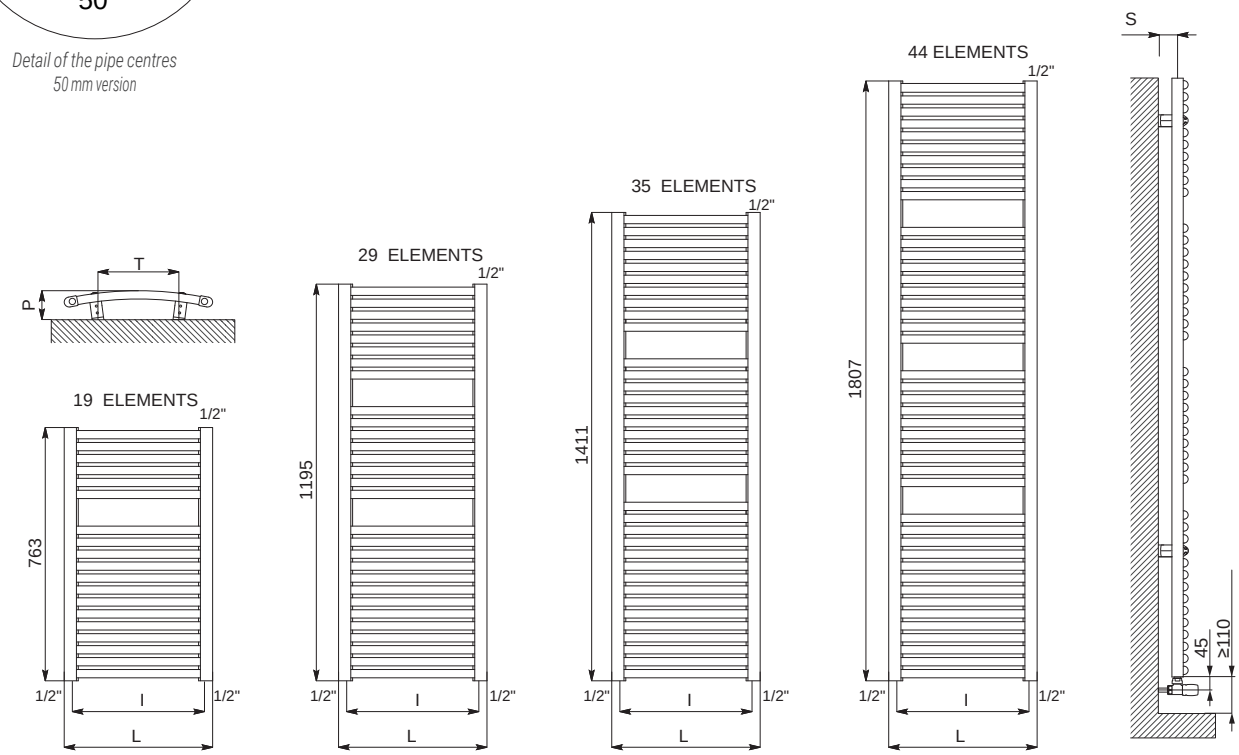
Thermostatic head quotes

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Detail of the pipe centres
50 mm version



Quotes for Kristal valves

CLAUDIA® CURVED

Height [mm]	Width L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	P [mm]	S [mm]	T [mm]	Dry Weight [Kg]	Surface [m²]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
763	450	397	3551546100031	3551546101031	85	52	270	5,5	0,746	4,4	368	194	1,2501	400
	500	445	3551546100034	3551546101034	90	52	320	6,0	0,821	4,8	408	216	1,2419	500
	550	494	3551546100037	3551546101037	90	46	320	6,5	0,895	5,2	448	238	1,2353	500
	600	547	3551546100040	3551546101040	90	57	450	6,9	0,970	5,7	492	263	1,2292	600
	750	696	3551546100043	3551546101043	100	55	590	8,3	1,194	6,9	615	330	1,2170	700
1195	450	397	3551546100032	3551546101032	85	52	270	8,6	1,146	6,8	557	294	1,2476	700
	500	445	3551546100035	3551546101035	90	52	320	9,3	1,260	7,4	617	327	1,2422	700
	550	494	3551546100038	3551546101038	90	46	320	9,9	1,374	8,1	676	359	1,2379	700
	600	547	3551546100041	3551546101041	90	57	450	10,6	1,488	8,7	742	395	1,2339	900
	750	696	3551546100044	3551546101044	100	55	590	12,7	1,830	10,6	923	493	1,2258	900
1411	450	397	3551546100049	3551546101049	85	52	270	10,2	1,375	8,2	669	354	1,2461	700
	500	445	3551546100050	3551546101050	90	52	320	11,1	1,513	8,9	742	393	1,2424	900
	550	494	3551546100051	3551546101051	90	46	320	11,9	1,650	9,7	813	432	1,2394	900
	600	547	3551546100052	3551546101052	90	57	450	12,7	1,788	10,4	892	474	1,2366	900
	750	696	3551546100053	3551546101053	100	55	590	15,3	2,200	12,7	1111	592	1,2311	1200
1807	450	397	3551546100033	3551546101033	85	52	270	13,0	1,730	10,3	835	442	1,2439	900
	500	445	3551546100036	3551546101036	90	52	320	14,0	1,910	11,3	928	492	1,2427	900
	550	494	3551546100039	3551546101039	90	46	320	15,1	2,083	12,2	1019	540	1,2417	1200
	600	547	3551546100042	3551546101042	90	57	450	16,1	2,250	13,2	1121	595	1,2408	1200
	750	696	3551546100045	3551546101045	100	55	590	19,3	2,774	16,0	1402	745	1,2390	1200

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



CLAUDIA®
SQUARE

page 38

EUROPEAN
WARRANTY

NEW

MATERIAL:
• Frame collector in painted mild steel 40x40 mm.
• Horizontal heating elements in painted mild steel ø 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



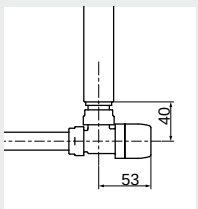
Towel bar painted mild steel-white R01

WIDTH 377 mm



Kit 2 Hooks
- White R01

Art. nr. 5991990310028

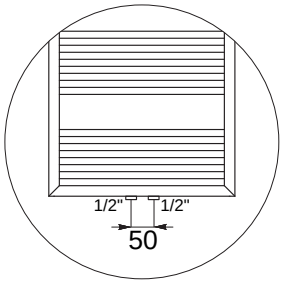


Quotes for square Kristal valves with thermostatic option

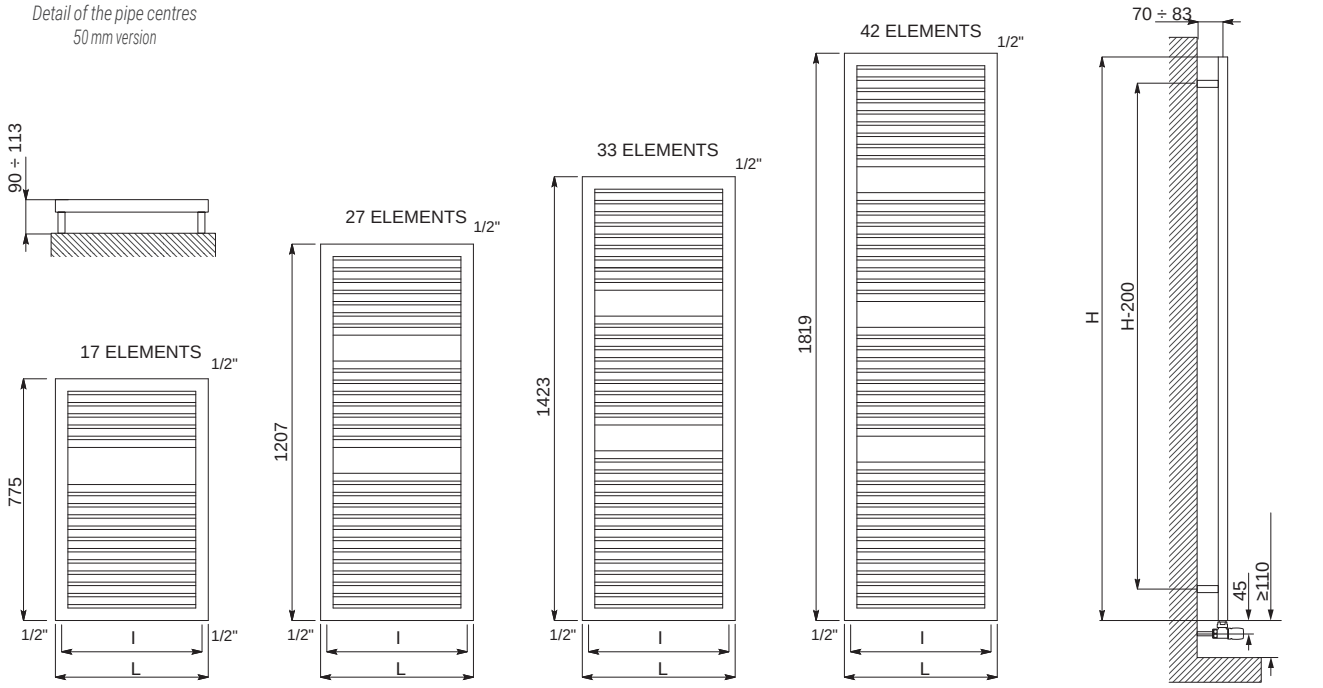
Art. nr.	Available on width
5991990310047	≥ 400 mm
5991990310029	≥ 500 mm
5991990310034	≥ 600 mm
5991990310030	≥ 750 mm

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Detail of the pipe centres
50 mm version



Quotes for Kristal valves

CLAUDIA® SQUARE

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
775	490	450	3551356100301	3551356100309	7,3	0,860	4,7	431	233	1,2076	500
	540	500	3551356100305	3551356100313	7,9	0,938	5,1	471	254	1,2051	500
1207	490	450	3551356100302	3551356100310	11,0	1,334	7,2	673	361	1,2211	700
	540	500	3551356100306	3551356100314	11,8	1,453	7,9	738	396	1,2211	700
1423	490	450	3551356100303	3551356100311	12,9	1,586	8,6	801	426	1,2349	900
	540	500	3551356100307	3551356100315	13,8	1,729	9,4	876	467	1,22965	900
1819	490	450	3551356100304	3551356100312	16,0	1,988	9,2	990	525	1,24141	1200
	540	500	3551356100308	3551356100316	17,2	2,163	10,0	1081	575	1,23646	1200

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.
For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



ANNA

page 44

EUROPEAN
WARRANTY

MATERIAL:
• Vertical collectors in painted mild steel semi oval 30x40 mm.
• Horizontal heating elements in painted mild steel ø 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

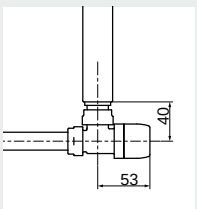
ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160

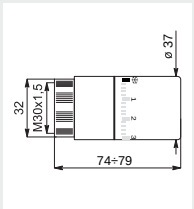


Quotes for square Kristal valves with thermostatic option



Chromed thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710015

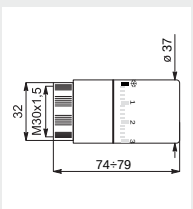


Thermostatic head quotes



White thermostatic head

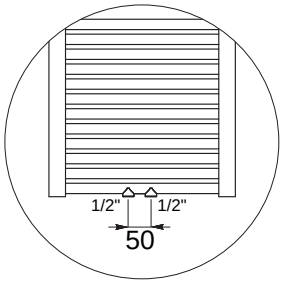
(Kit 2 pieces)
Art. nr. 5035270710016



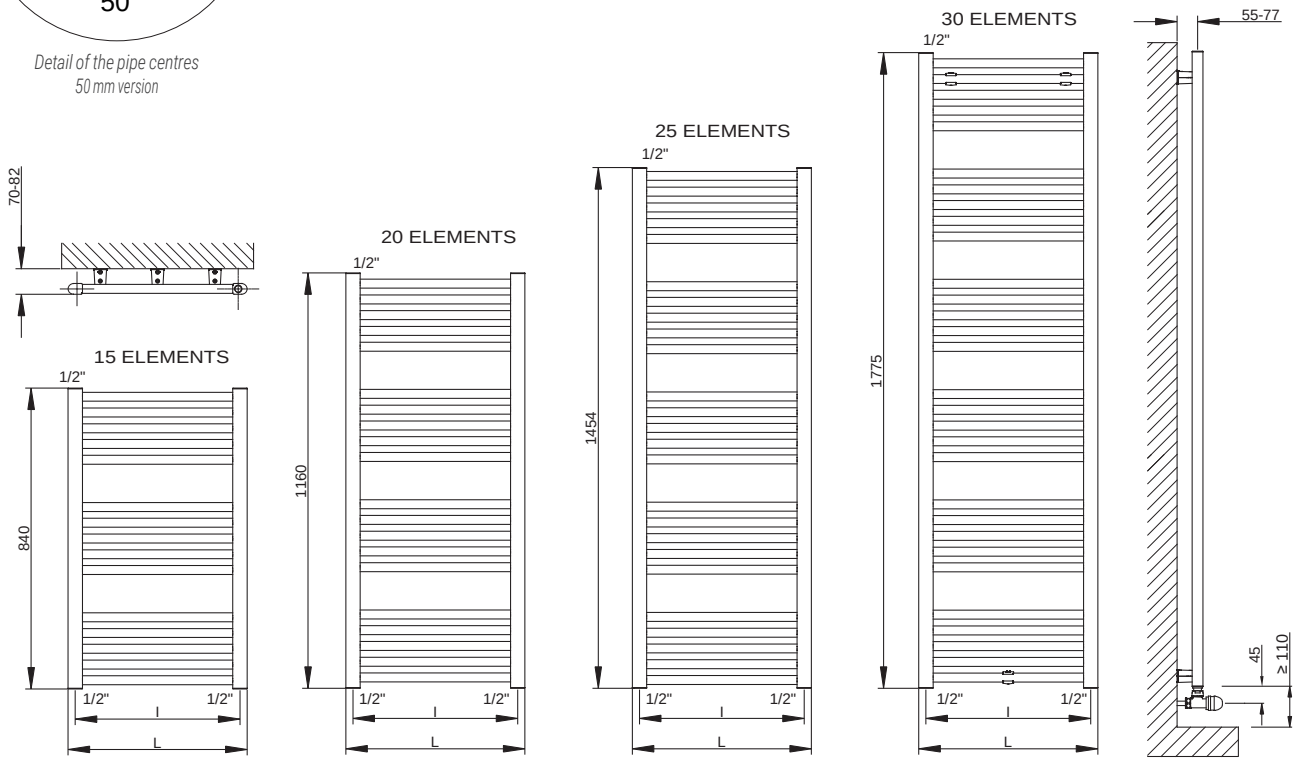
Thermostatic head quotes

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Detail of the pipe centres
50 mm version



Quotes for Kristal valves

ANNA

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
840	400	350	3551686100001	3551686100017	4,7	0,588	3,6	325	175	1,2074	400
	450	400	3551686100005	3551686100021	5,1	0,647	3,9	358	193	1,2050	400
	500	450	3551686100009	3551686100025	5,4	0,706	4,2	392	212	1,2027	500
	550	500	3551686100041	3551686100033	5,8	0,740	4,6	426	231	1,2003	500
	600	550	3551686100013	3551686100029	6,1	0,823	4,9	458	248	1,1979	600
	750	700	3551686100045	3551686100037	7,2	0,940	5,9	573	312	1,1908	600
1160	400	350	3551686100002	3551686100018	6,4	0,797	4,9	429	230	1,2169	600
	450	400	3551686100006	3551686100022	6,9	0,876	5,3	472	254	1,2155	600
	500	450	3551686100010	3551686100026	7,3	0,954	5,7	515	277	1,2142	700
	550	500	3551686100042	3551686100034	7,8	1,000	6,2	557	300	1,2128	700
	600	550	3551686100014	3551686100030	8,3	1,111	6,6	600	323	1,2115	700
	750	700	3551686100046	3551686100038	9,7	1,300	7,9	728	393	1,2074	900
1454	400	350	3551686100003	3551686100019	8,0	0,998	6,1	534	287	1,2170	700
	450	400	3551686100007	3551686100023	8,6	1,096	6,7	586	315	1,2151	700
	500	450	3551686100011	3551686100027	9,2	1,194	7,2	639	344	1,2133	700
	550	500	3551686100043	3551686100035	9,7	1,250	7,7	692	373	1,2115	900
	600	550	3551686100015	3551686100031	10,4	1,390	8,3	744	401	1,2097	900
	750	700	3551686100047	3551686100039	12,1	1,630	9,9	902	488	1,2043	900
1775	400	350	3551686100004	3551686100020	9,7	1,205	7,4	660	354	1,2170	900
	450	400	3551686100008	3551686100024	10,4	1,323	8,1	725	390	1,2147	900
	500	450	3551686100012	3551686100028	11,1	1,440	8,7	789	425	1,2124	1200
	550	500	3551686100044	3551686100036	11,7	1,500	9,3	855	461	1,2101	1200
	600	550	3551686100016	3551686100032	12,4	1,620	10,0	919	496	1,2078	1200
	750	700	3551686100048	3551686100040	14,5	1,960	11,9	1114	603	1,2009	1200

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



NAUSICA

page 46

EUROPEAN
WARRANTY

MATERIAL:
• Vertical collectors in painted mild steel semi oval 30x40 mm.
• Horizontal heating elements in painted mild steel elliptical 50x25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

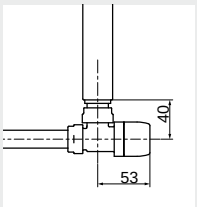
ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160

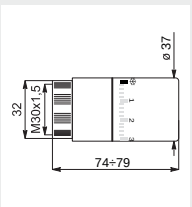


Quotes for square Kristal valves with thermostatic option



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016



Thermostatic head quotes



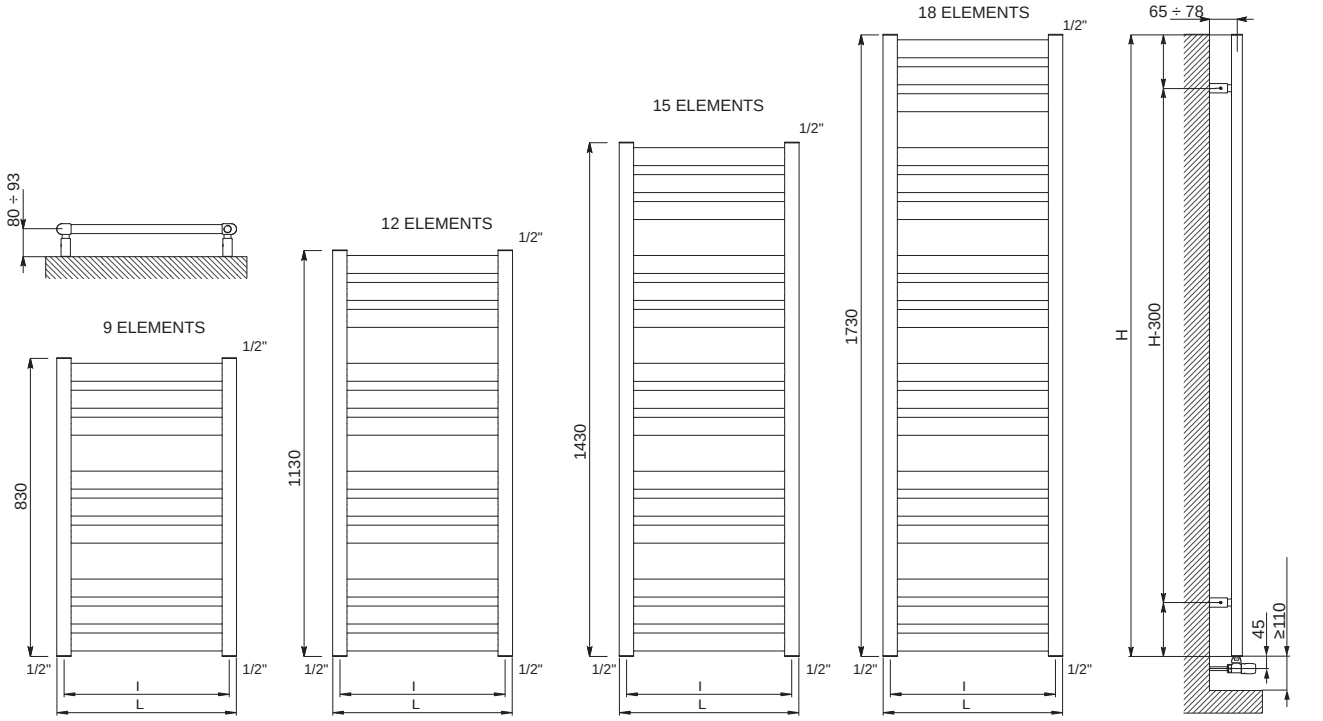
Foldable towel bar in plexiglass and stainless steel

Foldable and removable, it is suitable for towel rails in all finishing: white, coloured, chromed or stainless steel finishing. It can not be used on towel rails with curved elements, Dory and Lucy Plus models. Available with Width ≥ 450 mm

WIDTH **L** x Profondità **P**	Art. nr.
L 370 mm x **P** 377 mm	5991990310402
L 420 mm x **P** 377 mm	5991990310403

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Quotes for Kristal valves

NAUSICA

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
830	500	450	3551626100101	6,50	0,67	4,70	359	192	1,2236	400
	550	500	3551626100107	7,00	0,72	5,10	378	202	1,2294	400
	600	550	3551626100104	7,50	0,78	5,50	416	223	1,2227	500
1130	500	450	3551626100102	8,70	0,90	6,30	479	256	1,2302	600
	550	500	3551626100108	9,40	0,97	6,90	507	270	1,2373	600
	600	550	3551626100105	10,00	1,04	7,40	556	297	1,2283	600
1430	500	450	3551626100103	10,90	1,13	8,00	601	319	1,2369	700
	550	500	3551626100109	11,80	1,22	8,60	622	329	1,2469	700
	600	550	3551626100106	12,60	1,31	9,20	699	372	1,2340	700
1730	500	450	3551626100111	13,10	1,36	9,60	725	386	1,2315	700
	550	500	3551626100110	14,10	1,47	10,30	733	384	1,2648	900
	600	550	3551626100112	15,10	1,58	11,10	846	452	1,2278	900

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



NAIKE

page 48

EUROPEAN
WARRANTY

MATERIAL:
• Frame collector in painted mild steel 30 x 30 mm.
• Horizontal heating elements in painted mild steel 15 x 20 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



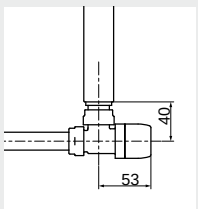
White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

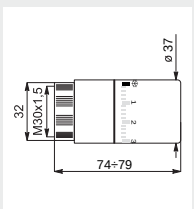


Chromed thermostatic head

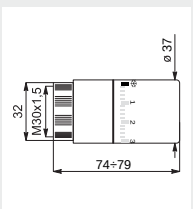
(Kit 2 pieces)
Art. nr. 5035270710015



Quotes for square Kristal valves with thermostatic option



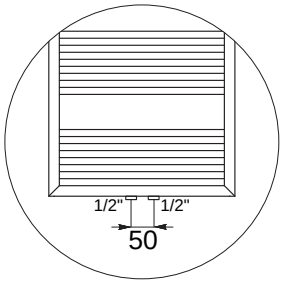
Thermostatic head quotes



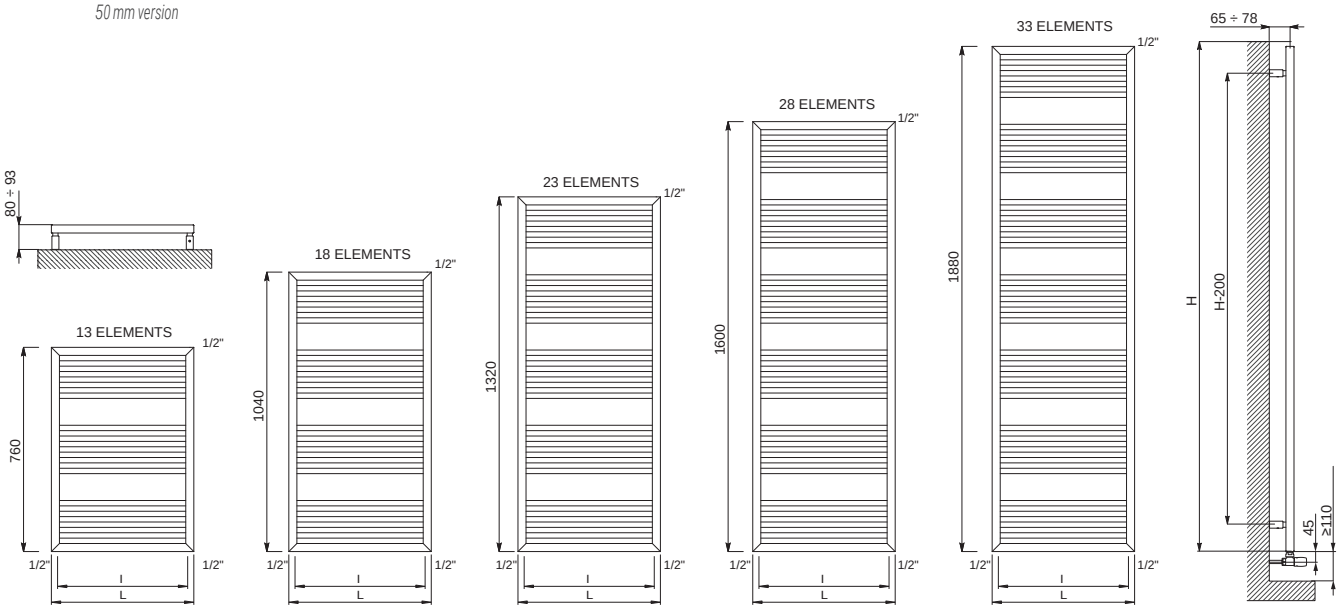
Thermostatic head quotes

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Detail of the pipe centres
50 mm version



Quotes for Kristal valves

NAIKE

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Thermal output [Watt] Dry Weight [Kg]	Surface [m2]	Water content [lt]	Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
760	480	450	3551826102021	3551826102029	7,00	0,60	2,90	350	191	1,1867	400
	530	500	3551826102025	3551826102033	7,60	0,65	3,10	381	208	1,1886	400
	580	550	3551826102005	3551826102015	8,20	0,70	3,40	412	224	1,1904	400
1040	480	450	3551826102022	3551826102030	9,20	0,80	3,80	459	246	1,2193	500
	530	500	3551826102026	3551826102034	10,00	0,85	4,00	499	268	1,2142	600
	580	550	3551826102006	3551826102016	10,80	0,92	4,30	538	290	1,2092	600
1320	480	450	3551826102002	3551826102012	11,40	0,97	4,60	568	303	1,2307	700
	530	500	3551826102004	3551826102014	12,40	1,05	4,90	617	330	1,2242	700
	580	550	3551826102008	3551826102018	13,30	1,14	5,20	667	358	1,2177	700
1600	480	450	3551826102023	3551826102031	13,70	1,16	5,50	679	364	1,2221	700
	530	500	3551826102027	3551826102035	14,80	1,26	5,80	739	397	1,2156	700
	580	550	3551826102009	3551826102019	15,90	1,36	6,20	799	431	1,2092	900
1880	480	450	3551826102024	3551826102032	15,90	1,35	6,30	793	427	1,2135	900
	530	500	3551826102028	3551826102036	17,20	1,46	6,70	864	467	1,2071	900
	580	550	3551826102010	3551826102020	18,50	1,57	7,10	936	507	1,2007	900

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



LUCY 18

page 50

EUROPEAN
WARRANTY

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Horizontal heating elements in painted mild steel ø 18 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water	☑ Electric (see page 346)	☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kit 2 Hooks
WHITE RAL 9010 - R01

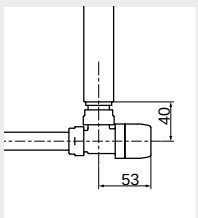
Art. nr. 5991990310388



Towel bar
WHITE RAL 9010 - R01
(width 440 mm)

Available with width
≥ 500 mm

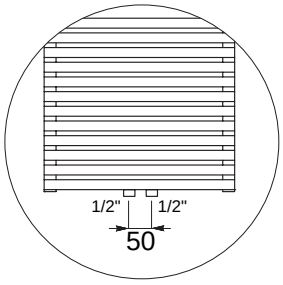
Art. nr. 5991990331126



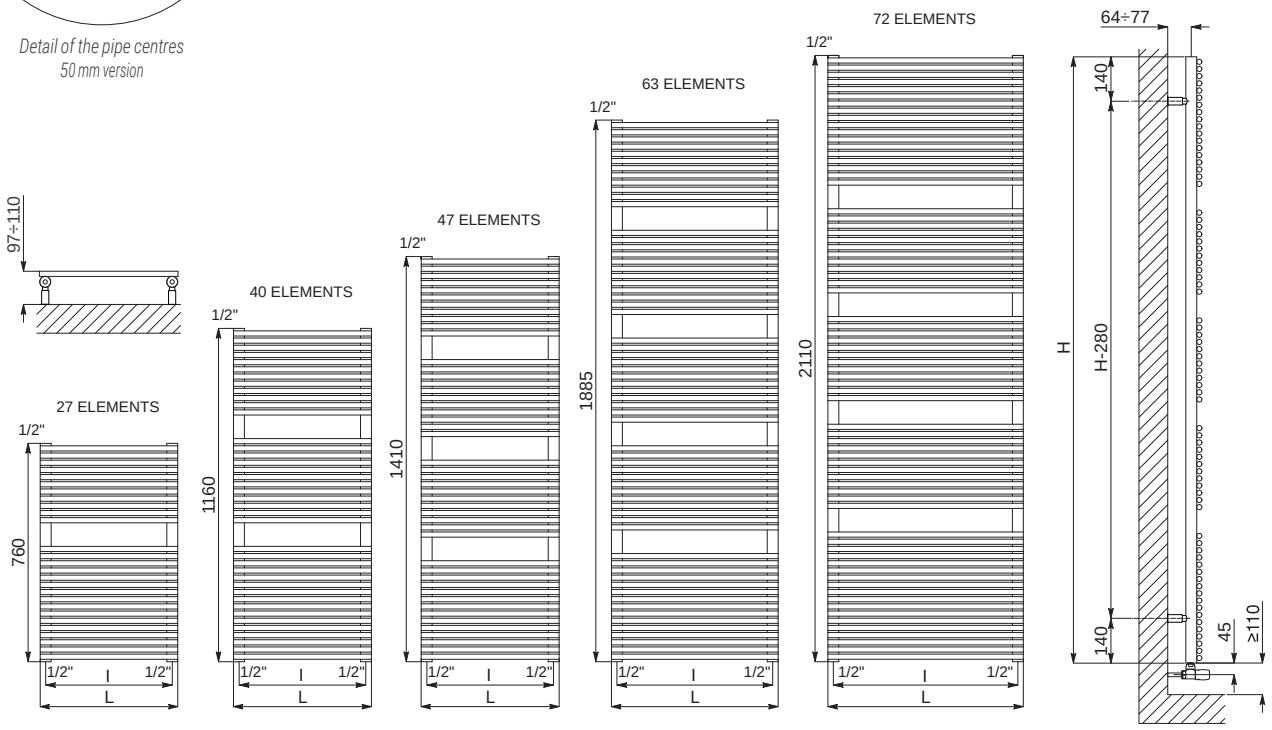
Quotes for square Kristal valves
with thermostatic option

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Detail of the pipe centres
50 mm version



Quotes for Kristal valves

LUCY 18

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Thermal output [Watt] Dry Weight [Kg]	Surface [m2]	Water content [lt]	Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
760	430	400	3551406100300	3551406100320	6,7	0,75	2,9	436	238	1,1839	500
	480	450	3551406100304	3551406100324	8,0	0,88	3,3	489	268	1,1780	500
1160	430	400	3551406100301	3551406100321	11,0	1,19	4,6	631	341	1,2071	700
	480	450	3551406100305	3551406100325	12,0	1,30	4,9	705	383	1,1960	700
	530	500	3551406100308	3551406100328	13,0	1,42	5,3	779	425	1,1852	700
	580	550	3551406100312	3551406100332	13,9	1,53	5,7	852	468	1,1743	700
1410	430	400	3551406100302	3551406100322	13,0	1,40	5,4	753	407	1,2065	700
	480	450	3551406100306	3551406100326	14,2	1,54	5,9	838	455	1,1971	900
	530	500	3551406100309	3551406100329	15,3	1,67	6,4	923	503	1,1876	900
	580	550	3551406100313	3551406100333	16,5	1,81	6,2	1008	552	1,1782	900
1885	430	400	3551406100303	3551406100323	17,5	1,87	7,3	986	533	1,2054	900
	480	450	3551406100307	3551406100327	19,1	2,07	7,9	1090	591	1,1988	1200
	530	500	3551406100310	3551406100330	20,5	2,24	8,5	1194	649	1,1922	1200
	580	550	3551406100314	3551406100334	22,2	2,44	9,1	1298	708	1,1856	1200
2110	530	500	3551406100311	3551406100331	23,4	2,56	9,7	1322	722	1,1853	1200
	580	550	3551406100315	3551406100335	25,2	2,76	10,3	1438	788	1,1779	1200
	730	700	3551406100316	3551406100336	30,7	3,38	12,5	1768	980	1,1558	1200

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



LUCY 18
PLUS

page 52

EUROPEAN
WARRANTY

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Double horizontal heating elements in painted mild steel ø 18 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
Pipe centres 50 mm right
white R01 - ral 9010

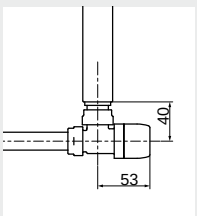
Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185

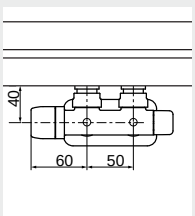


White thermostatic head

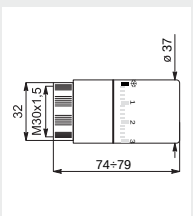
(Kit 2 pieces)
Art. nr. 5035270710016



Quotes for square Kristal valves with thermostatic option



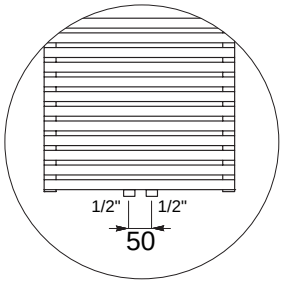
Quotes for square Kristal valves with thermostatic option



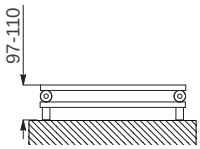
Thermostatic head quotes

If ordered separately from the radiator, the accessories are available in standard white only.

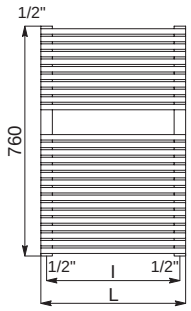
Accessories and spare parts - see from page 528



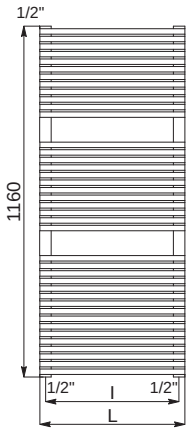
Detail of the pipe centres
50 mm version



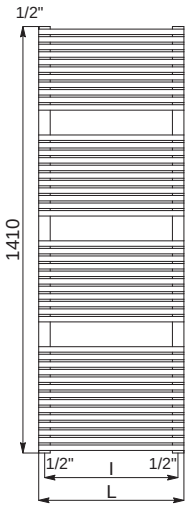
27+27 ELEMENTS



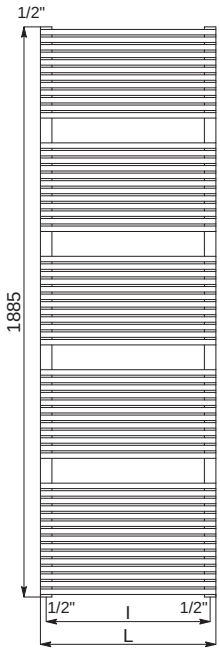
40+40 ELEMENTS

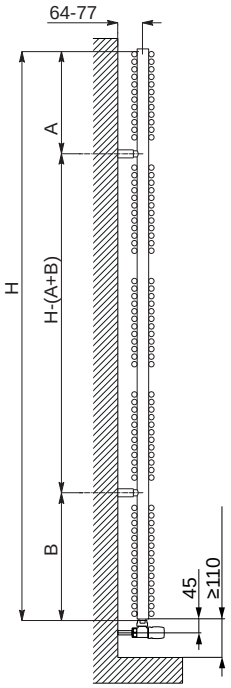


47+47 ELEMENTS



63+63 ELEMENTS





Quotes for Kristal valves

LUCY 18 PLUS

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
760	430	400	3551406101300	3551406101314	12,7	1,4	5,1	565	298	1,2541	700
	480	450	3551406101304	3551406101318	14,0	1,6	5,6	711	377	1,2431	900
1160	430	400	3551406101301	3551406101315	19,5	1,2	7,9	821	432	1,2564	1200
	480	450	3551406101305	3551406101319	21,5	2,3	8,7	1018	538	1,2495	1200
	530	500	3551406101308	3551406101322	23,5	2,6	9,4	1215	643	1,2449	1200
	580	550	3551406101311	3551406101325	25,3	2,8	10,2	1609	854	1,2391	1200
1410	430	400	3551406101302	3551406101316	23,0	2,5	9,4	957	503	1,2576	1200
	480	450	3551406101306	3551406101320	25,4	2,8	10,2	1183	624	1,2529	1200
	530	500	3551406101309	3551406101323	27,2	3,0	11,3	1421	750	1,2498	1200
	580	550	3551406101312	3551406101326	30,2	3,3	12,0	1897	1004	1,2459	1200
1885	430	400	3551406101303	3551406101317	31,0	3,4	12,5	1268	666	1,2604	1200
	480	450	3551406101307	3551406101321	34,0	3,8	13,7	1565	822	1,2608	1200
	530	500	3551406101310	3551406101324	37,2	4,1	14,9	1861	977	1,2610	1200
	580	550	3551406101313	3551406101327	40,3	4,5	16,1	2042	1072	1,2621	1200

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



LUCY 18
WIDE

page 54

EUROPEAN
WARRANTY

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Horizontal heating elements in painted mild steel ø 18 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



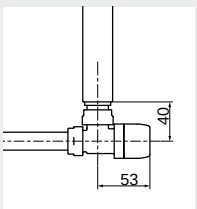
White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

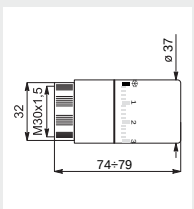


Kit 2 Hooks
WHITE RAL 9010 - R01

Art. nr. 5991990310388



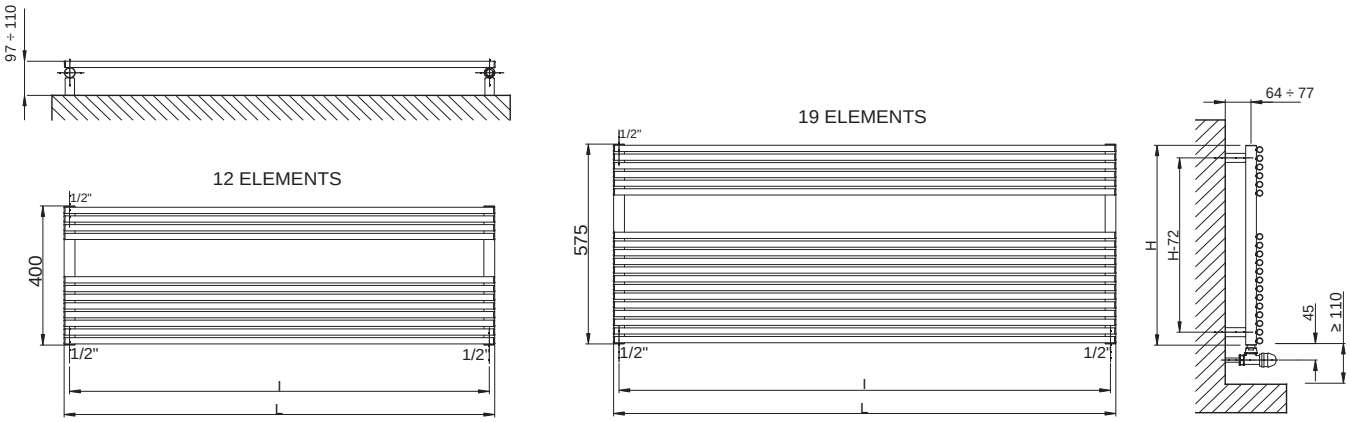
Quotes for square Kristal valves with thermostatic option



Thermostatic head quotes

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Quotes for Kristal valves

LUCY 18 WIDE

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
400	1200	1170	3551406100250	8,1	0,89	3,2	585	319	1,18905	400
	1400	1370	3551406100252	9,0	1,025	3,6	701	383	1,18223	400
575	1200	1170	3551406100251	12,6	1,4	5,0	901	493	1,1811	700
	1400	1370	3551406100253	14,2	1,6	5,7	1091	587	1,21455	700

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



LUCY 25

page 58

EUROPEAN **WARRANTY**

NEW

MATERIAL:
• Vertical collectors in painted mild steel semi oval ø 30 mm.
• Horizontal heating elements in painted mild steel ø 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
Pipe centres 50 mm right
white R01 - ral 9010

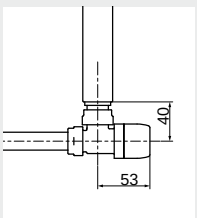
Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185

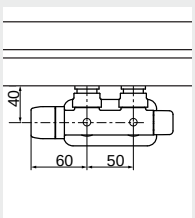


White thermostatic head

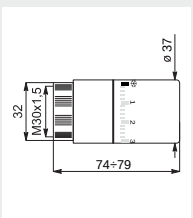
(Kit 2 pieces)
Art. nr. 5035270710016



Quotes for square Kristal valves with thermostatic option



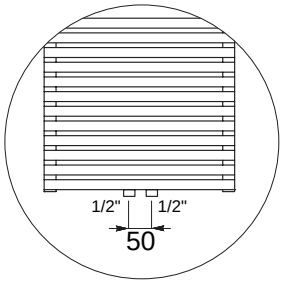
Quotes for square Kristal valves with thermostatic option



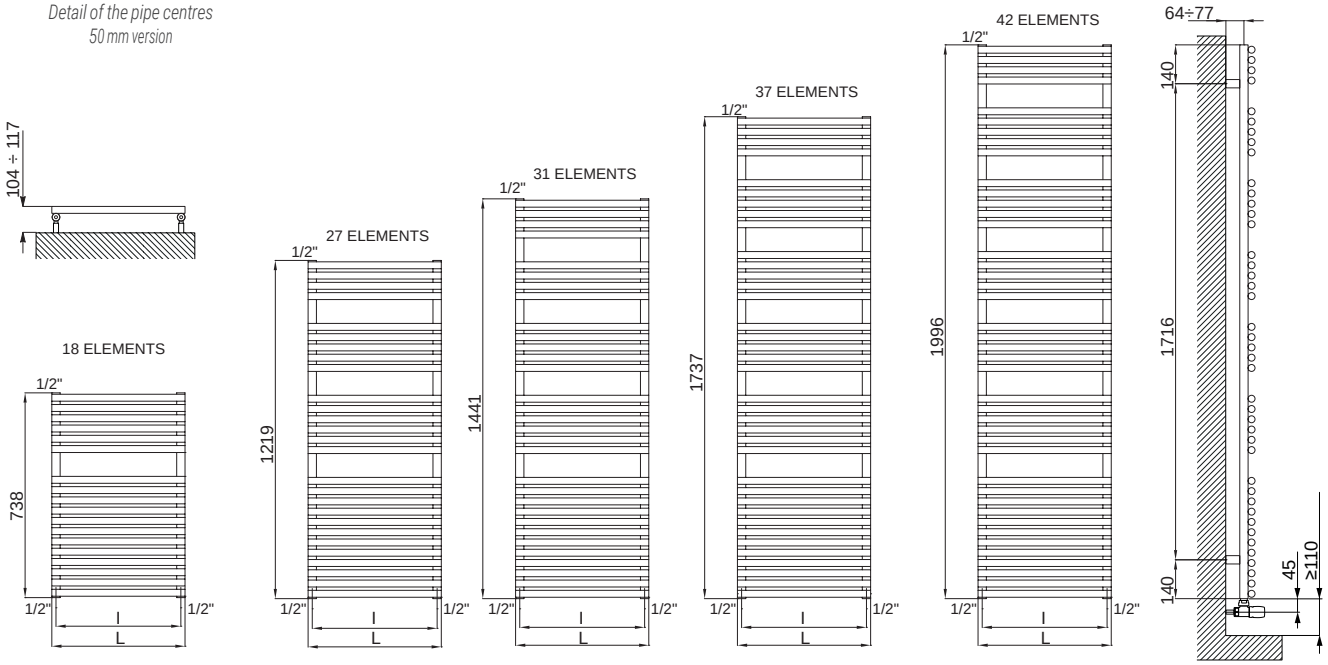
Thermostatic head quotes

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Detail of the pipe centres
50 mm version



Quotes for Kristal valves

LUCY 25

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
738	430	400	3551406100340	3551406100360	5,8	0,747	4,1	384	210	1,1834	500
	480	450	3551406100344	3551406100364	6,4	0,818	4,5	430	235	1,1806	500
1219	430	400	3551406100341	3551406100361	9,0	1,142	6,3	589	321	1,1879	700
	480	450	3551406100345	3551406100365	9,8	1,248	6,8	656	358	1,1873	700
	530	500	3551406100348	3551406100368	10,6	1,354	7,4	724	395	1,1867	900
	580	550	3551406100352	3551406100372	11,4	1,460	8,0	791	432	1,1861	900
1441	430	400	3551406100342	3551406100362	10,4	1,319	7,3	684	371	1,1993	700
	480	450	3551406100346	3551406100366	11,3	1,440	7,9	761	413	1,1942	900
	530	500	3551406100349	3551406100369	12,2	1,562	8,6	838	457	1,1891	900
	580	550	3551406100353	3551406100373	13,1	1,684	9,2	915	500	1,1840	900
1737	430	400	3551406100343	3551406100363	12,4	1,577	8,7	813	438	1,2123	900
	480	450	3551406100347	3551406100367	13,5	1,722	9,5	903	488	1,2060	900
	530	500	3551406100350	3551406100370	14,6	1,868	10,2	992	537	1,1997	900
	580	550	3551406100354	3551406100374	15,7	2,013	11,0	1082	588	1,1934	1200
1996	530	500	3551406100351	3551406100371	16,6	2,125	11,6	1131	610	1,2091	1200
	580	550	3551406100355	3551406100375	17,8	2,289	12,5	1231	666	1,2017	1200
	730	700	3551406100356	3551406100376	21,6	2,784	15,1	1532	839	1,1798	1200

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



LUCY 25
PLUS

page 60

EUROPEAN
WARRANTY

NEW

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Double horizontal heating elements in painted mild steel ø 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
Pipe centres 50 mm right
white R01 - ral 9010

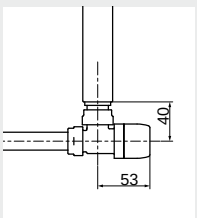
Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185

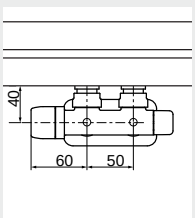


White thermostatic head

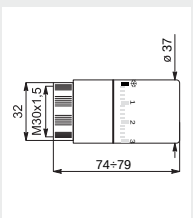
(Kit 2 pieces)
Art. nr. 5035270710016



Quotes for square Kristal valves with thermostatic option



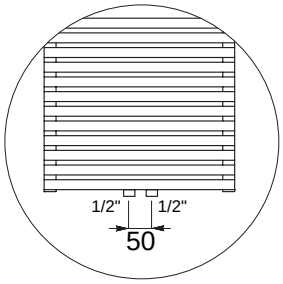
Quotes for square Kristal valves with thermostatic option



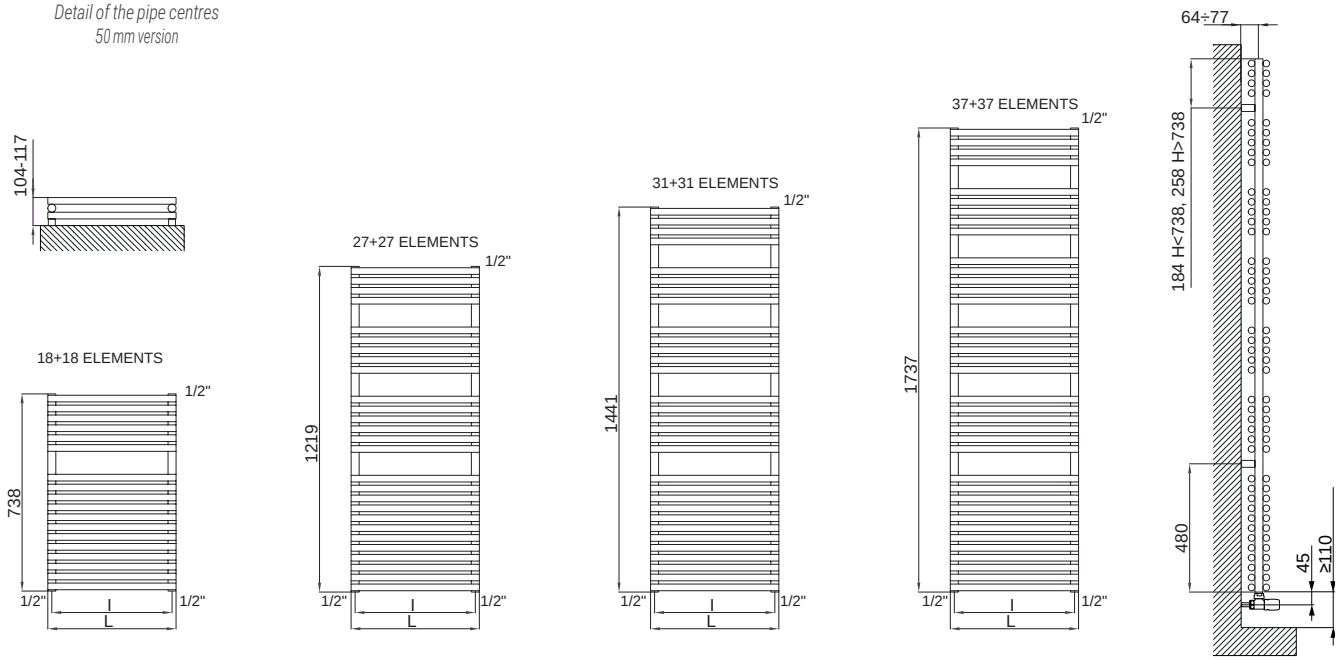
Thermostatic head quotes

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Detail of the pipe centres
50 mm version



Quotes for Kristal valves

LUCY 25 PLUS

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Thermal output [Watt] Δt=30°C	Exp. n	Dual energy kit [Watt]
738	430	400	3551406101400	3551406101414	11,07	1,44	7,76	543	294	1,1980	600
	480	450	3551406101404	3551406101418	11,50	1,50	8,06	611	331	1,1982	700
1219	430	400	3551406101401	3551406101415	15,84	2,05	11,11	816	434	1,2379	900
	480	450	3551406101405	3551406101419	17,43	2,27	12,23	915	487	1,2339	1200
	530	500	3551406101408	3551406101422	19,03	2,48	13,35	1014	541	1,2300	1200
	580	550	3551406101411	3551406101425	20,63	2,69	14,47	1112	595	1,2260	1200
1441	430	400	3551406101402	3551406101416	18,25	2,37	12,80	945	496	1,2618	1200
	480	450	3551406101406	3551406101420	20,09	2,61	14,09	1057	557	1,2536	1200
	530	500	3551406101409	3551406101423	21,92	2,85	15,38	1169	619	1,2455	1200
	580	550	3551406101412	3551406101426	23,76	3,10	16,66	1282	681	1,2374	1200
1737	430	400	3551406101403	3551406101417	21,81	2,83	15,30	1123	590	1,2599	1200
	480	450	3551406101407	3551406101421	24,01	3,12	16,84	1252	661	1,2521	1200
	530	500	3551406101410	3551406101424	26,20	3,41	18,37	1382	732	1,2442	1200
	580	550	3551406101413	3551406101427	28,39	3,70	19,91	1512	804	1,2364	1200

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



LUCY 25
CHROMED

page 62

EUROPEAN
WARRANTY

NEW

MATERIAL:
• Vertical collectors in mild steel ø 30 mm.
• Horizontal heating elements in mild steel ø 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

FINISHING:
CHROMED (PLATED IN ITALY)

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE

EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

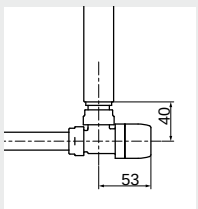
ACCESSORIES



Kristal valve square with thermostatic option-chromed

Copper conn. Ø 12/14/15
Art. nr. 5991990311165

Multilayer conn. Ø 16
Art. nr. 5991990311166



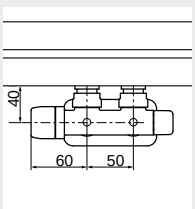
Quotes for square Kristal valves with thermostatic option



Kristal valve square pipe centres 50 mm with thermostatic option-chromed

Copper conn. Ø 12/14/15
Art. nr. 5991990301150

Multilayer conn. Ø 16
Art. nr. 5991990301149

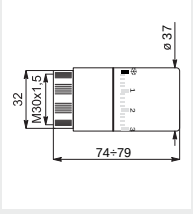


Quotes for square Kristal valves with thermostatic option



Chromed thermostatic head

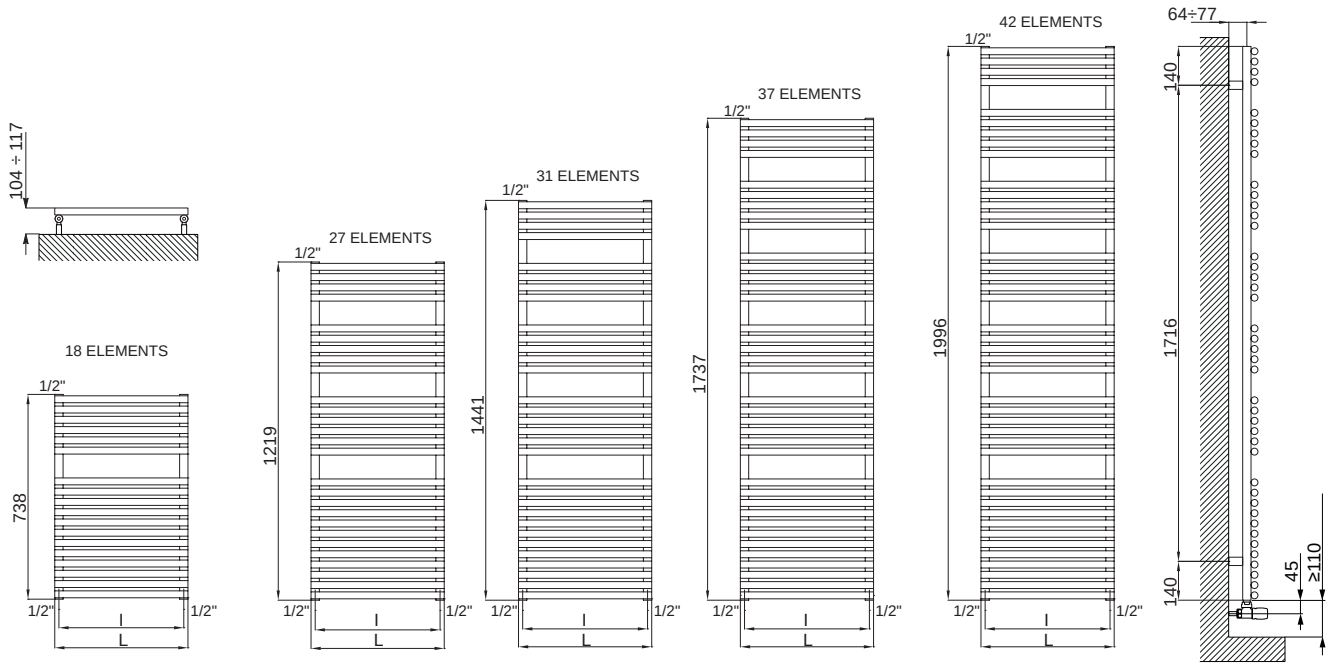
(Kit 2 pieces)
Art. nr. 5035270710015



Thermostatic head quotes

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Quotes for Kristal valves

LUCY 25 CHROMED

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
738	430	400	3551406110001	5,8	0,747	4,1	290	162	1,1418	300
	480	450	3551406110005	6,4	0,818	4,5	323	180	1,1513	400
1219	430	400	3551406110002	9,0	1,142	6,3	439	243	1,1615	500
	480	450	3551406110006	9,8	1,248	6,8	464	257	1,1565	500
	530	500	3551406110009	10,6	1,354	7,4	507	281	1,1516	600
	580	550	3551406110013	11,4	1,460	8,0	577	322	1,1460	600
1441	430	400	3551406110003	10,4	1,319	7,3	506	282	1,1405	600
	480	450	3551406110007	11,3	1,440	7,9	589	325	1,1676	700
	530	500	3551406110010	12,2	1,562	8,6	615	340	1,1562	700
	580	550	3551406110014	13,1	1,684	9,2	640	354	1,1606	700
1737	430	400	3551406110004	12,4	1,577	8,7	601	333	1,1568	700
	480	450	3551406110008	13,5	1,722	9,5	677	376	1,1529	700
	530	500	3551406110011	14,6	1,868	10,2	706	390	1,1644	700
	580	550	3551406110015	15,7	2,013	11,0	768	423	1,1666	700
1996	530	500	3551406110012	16,6	2,125	11,6	847	468	1,1638	900
	580	550	3551406110016	17,8	2,289	12,5	910	503	1,1610	900
	730	700	3551406110017	21,6	2,784	15,1	1054	581	1,1659	900

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



BRIGITTE

page 64

EUROPEAN
WARRANTY

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Curved horizontal heating elements in painted mild steel ø 18 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EURONORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



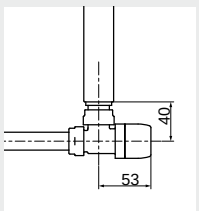
White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

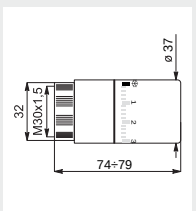


Kit 2 Hooks
WHITE RAL 9010 - R01

Art. nr. 5991990310388



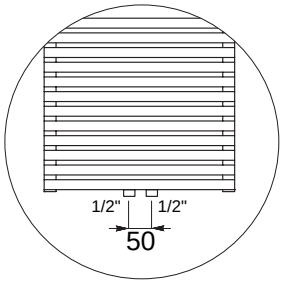
Quotes for square Kristal valves with thermostatic option



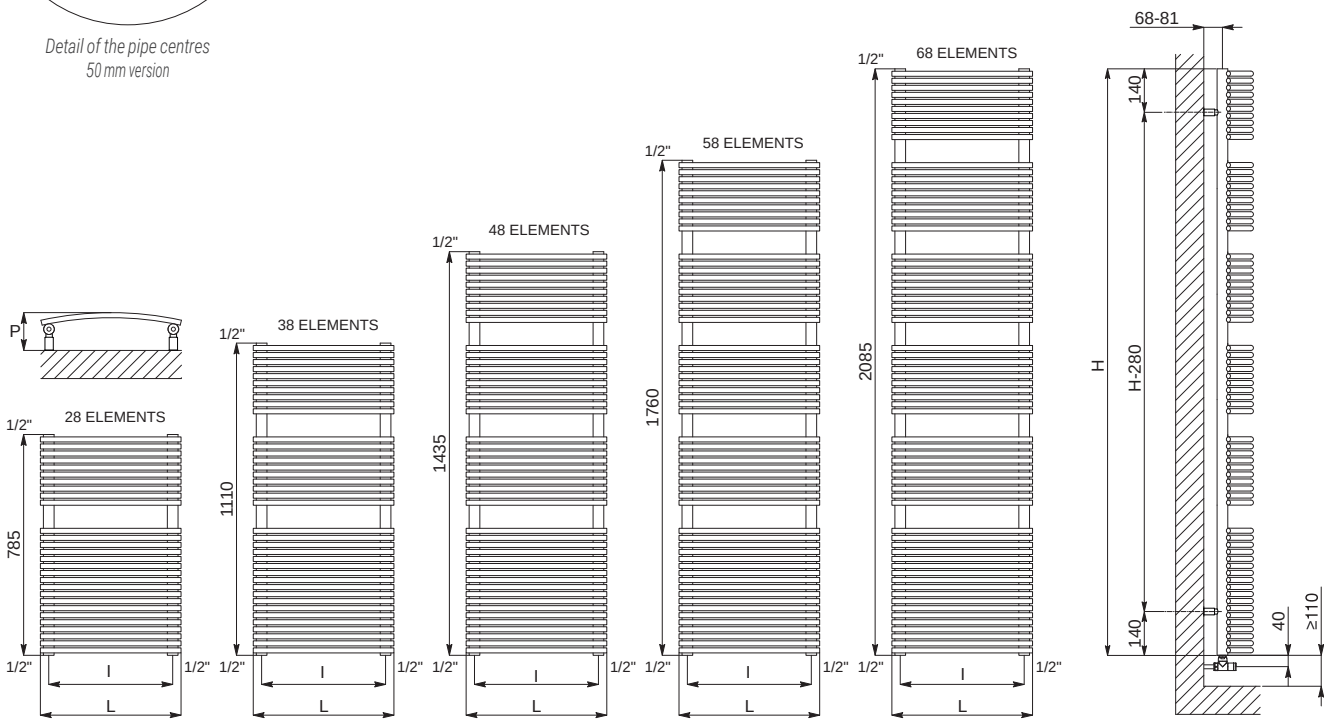
Thermostatic head quotes

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Detail of the pipe centres
50 mm version



Quotes for Kristal valves

BRIGITTE

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Thermal output [Watt] P [mm]	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
785	400	350	3551406102150	3551406102171	116÷129	7,6	0,77	3,0	425	229	1,2122	500
	450	400	3551406102154	3551406102175	122÷134	7,9	0,86	3,3	554	301	1,1946	700
1110	400	350	3551406102151	3551406102172	116÷129	9,8	1,07	4,2	567	304	1,2200	700
	450	400	3551406102155	3551406102176	122÷134	10,8	1,17	4,5	690	372	1,2100	700
	500	450	3551406102158	3551406102179	129÷141	11,8	1,28	4,9	732	396	1,2007	900
	550	500	3551406102162	3551406102183	137÷149	12,7	1,38	5,3	814	433	1,2360	900
	600	550	3551406102166	3551406102187	146÷158	13,7	1,49	5,6	897	489	1,1885	1200
1435	400	350	3551406102152	3551406102173	116÷129	12,3	1,35	5,3	713	381	1,2278	900
	450	400	3551406102156	3551406102177	122÷134	13,8	1,49	5,8	789	422	1,2254	1200
	500	450	3551406102159	3551406102180	129÷141	14,8	1,68	6,0	912	492	1,2068	1200
	550	500	3551406102163	3551406102184	137÷149	16,7	1,73	6,7	916	496	1,2011	1200
	600	550	3551406102167	3551406102188	146÷158	17,4	1,80	7,2	1111	604	1,1935	1200
1760	400	350	3551406102153	3551406102174	116÷129	15,2	1,64	6,4	863	459	1,2355	1200
	450	400	3551406102157	3551406102178	122÷134	16,7	1,80	7,0	954	510	1,2255	1200
	500	450	3551406102160	3551406102181	129÷141	18,1	1,97	7,5	1095	589	1,2130	1200
	550	500	3551406102164	3551406102185	137÷149	19,5	2,14	8,1	1132	611	1,2058	1200
	600	550	3551406102168	3551406102189	146÷158	21,0	2,30	8,6	1327	719	1,1984	1200
2085	500	450	3551406102161	3551406102182	129÷141	21,3	2,31	8,9	1281	687	1,2191	1200
	550	500	3551406102165	3551406102186	137÷149	23,1	2,50	9,5	1544	835	1,2034	1200
	750	700	3551406102170	3551406102191	158÷170	29,7	3,20	12,1	1953	1040	1,2330	1200

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



GLORIA 18

page 66

EUROPEAN
WARRANTY

NEW

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Horizontal heating elements in painted mild steel ø 18 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE

EN 442-1 EURONORM RADIATORS AND CONVECTORS

NF Radiators, convectors and ceiling-mounted radiant panels, hot water heating, fan assisted and mixed

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
Pipe centres 50 mm right
white R01 - ral 9010

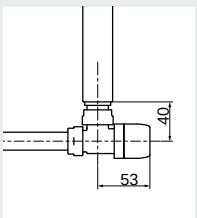
Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185

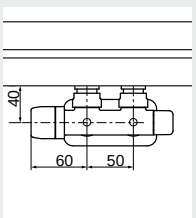


White thermostatic head

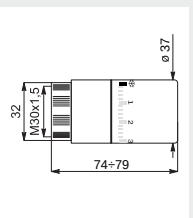
(Kit 2 pieces)
Art. nr. 5035270710016



Quotes for square Kristal valves with thermostatic option



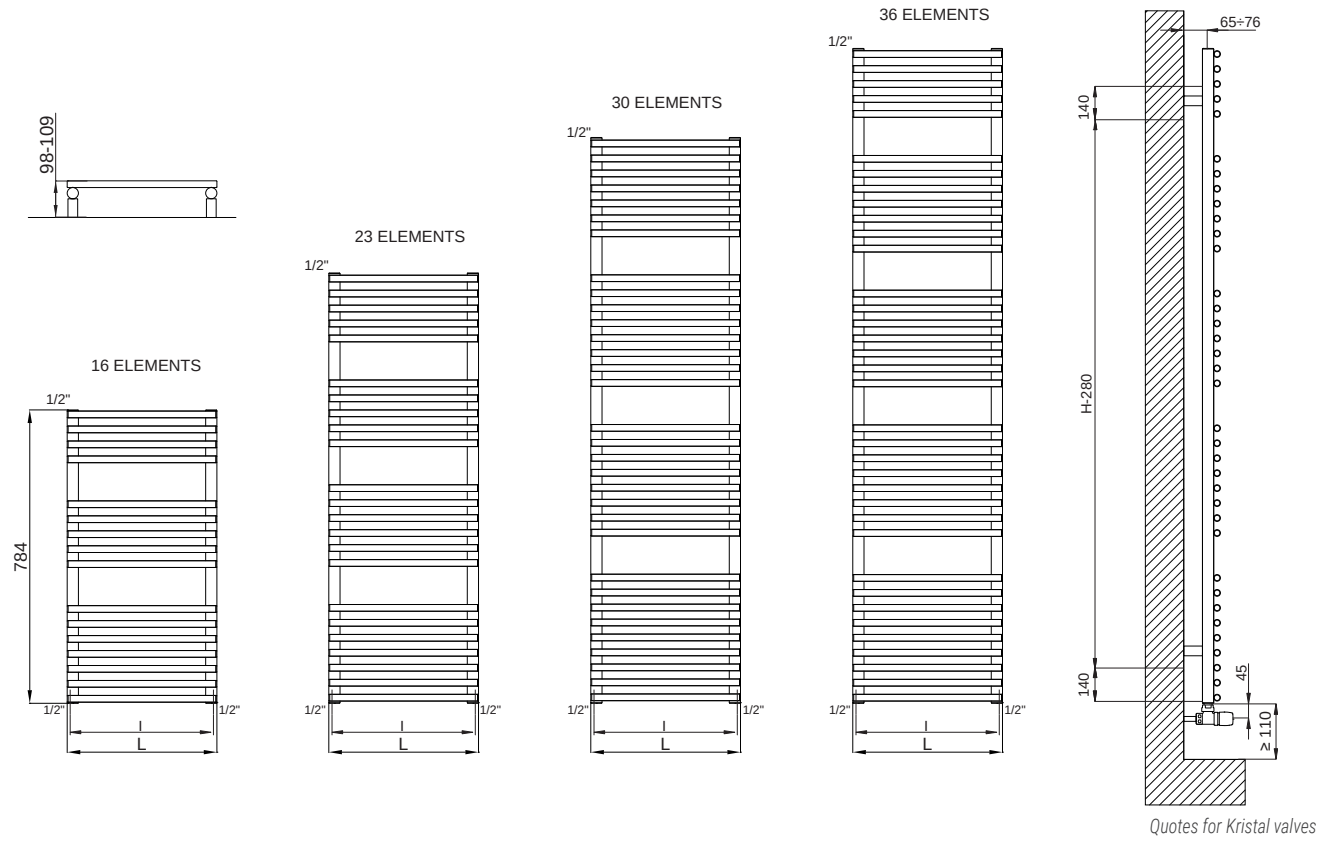
Quotes for square Kristal valves with thermostatic option



Thermostatic head quotes

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Quotes for Kristal valves

GLORIA 18

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
780	430	400	3551666100140	5,1	0,537	2,2	347	192	1,1628	400
	480	450	3551666100141	5,5	0,582	2,4	374	208	1,1533	400
	530	500	3551666100142	5,6	0,627	2,6	413	229	1,1540	500
	580	550	3551666100143	6,3	0,673	2,7	429	240	1,1344	500
1150	430	400	3551666100145	7,3	0,77	3,2	477	259	1,1959	600
	480	450	3551666100146	7,9	0,84	3,4	519	283	1,1905	600
	530	500	3551666100147	8	0,906	3,7	573	313	1,1825	700
	580	550	3551666100148	9,1	0,971	3,8	604	331	1,1797	700
1500	430	400	3551666100150	10	1,063	4,4	622	335	1,2128	700
	480	450	3551666100151	10,8	1,154	4,7	680	366	1,2100	700
	530	500	3551666100152	11	1,238	5	750	406	1,2012	900
	580	550	3551666100153	12,4	1,335	5,3	796	430	1,2045	900
1750	430	400	3551666100155	11,4	1,205	5	728	390	1,2238	900
	480	450	3551666100156	12,3	1,307	5,3	797	427	1,2229	900
	530	500	3551666100157	12,5	1,409	5,7	880	472	1,2211	900
	580	550	3551666100158	14,1	1,511	6	935	501	1,2209	900

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



GLORIA 22

page 68

EUROPEAN **WARRANTY**

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Horizontal heating elements in painted mild steel ø 22 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water	☑ Electric (see page 348-374)	☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
Pipe centres 50 mm right
white R01 - ral 9010

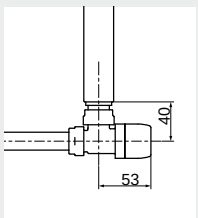
Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185

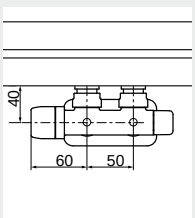


White thermostatic head

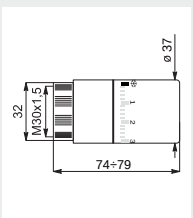
(Kit 2 pieces)
Art. nr. 5035270710016



Quotes for square Kristal valves with thermostatic option



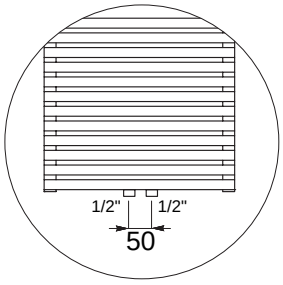
Quotes for square Kristal valves with thermostatic option



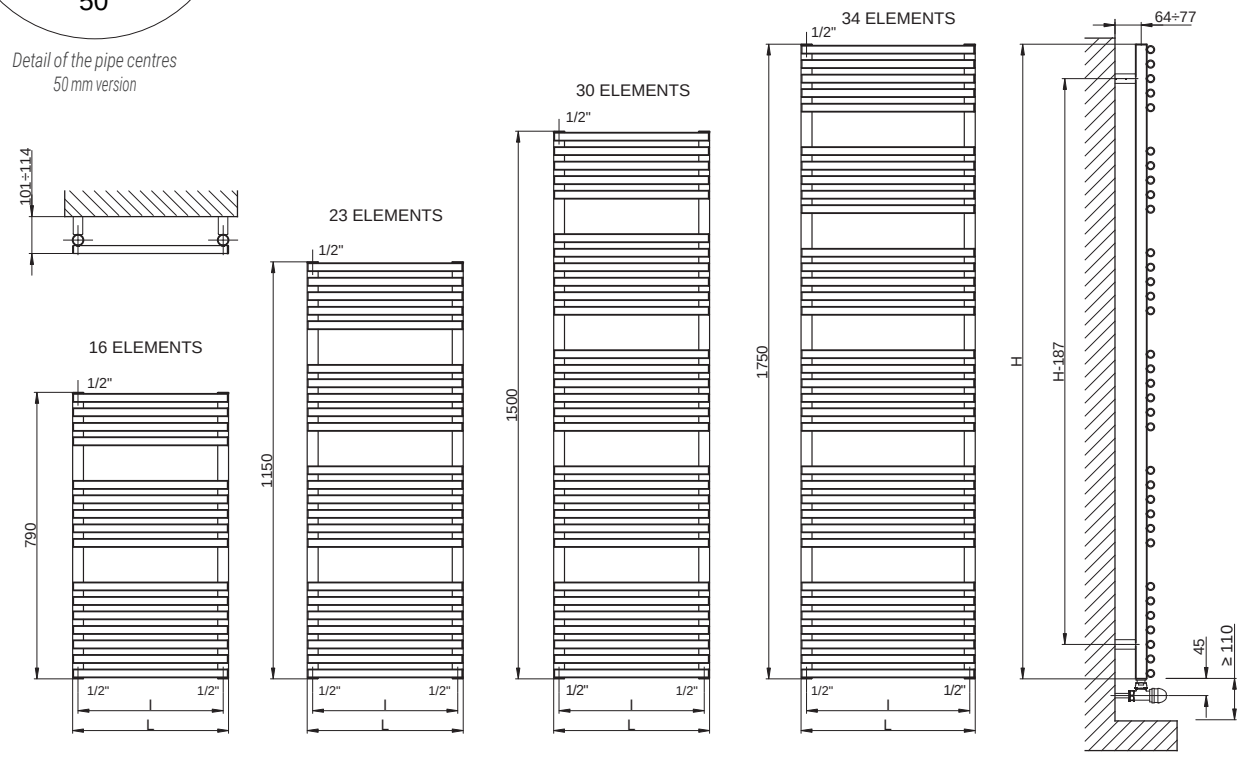
Thermostatic head quotes

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Detail of the pipe centres
50 mm version



Quotes for Kristal valves

GLORIA 22

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
790	430	400	3551666100101	3551666100121	6,1	0,61	3,0	364	203	1,1418	400
	480	450	3551666100102	3551666100122	6,6	0,66	3,1	401	224	1,1513	500
1150	430	400	3551666100103	3551666100123	8,8	0,88	4,2	516	285	1,1615	600
	480	450	3551666100104	3551666100124	9,5	0,95	4,6	567	314	1,1565	700
	530	500	3551666100105	3551666100125	10,2	1,03	5,0	617	343	1,1516	700
	580	550	3551666100106	3551666100126	10,9	1,10	5,3	668	372	1,1460	700
	630	600	3551666100107	3551666100127	11,8	1,18	5,7	719	402	1,1405	900
1500	430	400	3551666100108	3551666100128	11,4	1,14	5,5	668	368	1,1576	700
	480	450	3551666100109	3551666100129	12,3	1,25	6,3	732	404	1,1562	900
	530	500	3551666100110	3551666100130	13,2	1,32	6,5	796	440	1,1606	900
	580	550	3551666100111	3551666100131	14,2	1,44	6,9	860	476	1,1568	900
	630	600	3551666100112	3551666100132	15,0	1,53	7,3	924	513	1,1529	900
1750	480	450	3551666100113	3551666100133	14,0	1,41	6,9	842	463	1,1644	900
	530	500	3551666100114	3551666100134	15,1	1,52	7,4	915	504	1,1666	900
	580	550	3551666100115	3551666100135	16,1	1,64	7,9	989	546	1,1638	1200
	630	600	3551666100116	3551666100136	17,1	1,75	8,4	1062	587	1,1610	1200
	730	700	3551666100117	3551666100137	19,2	1,97	9,4	1208	670	1,1659	1200

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



GLORIA 22
PLUS

page 70

EUROPEAN
WARRANTY

NEW

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Double horizontal heating elements in painted mild steel ø 22 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
Pipe centres 50 mm right
white R01 - ral 9010

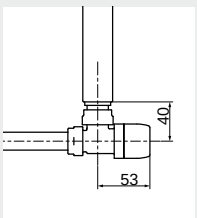
Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185

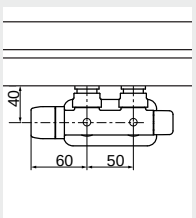


White thermostatic head

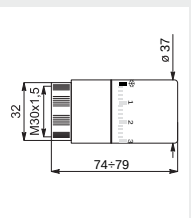
(Kit 2 pieces)
Art. nr. 5035270710016



Quotes for square Kristal valves with thermostatic option



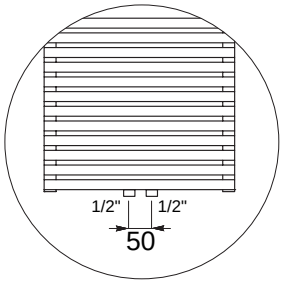
Quotes for square Kristal valves with thermostatic option



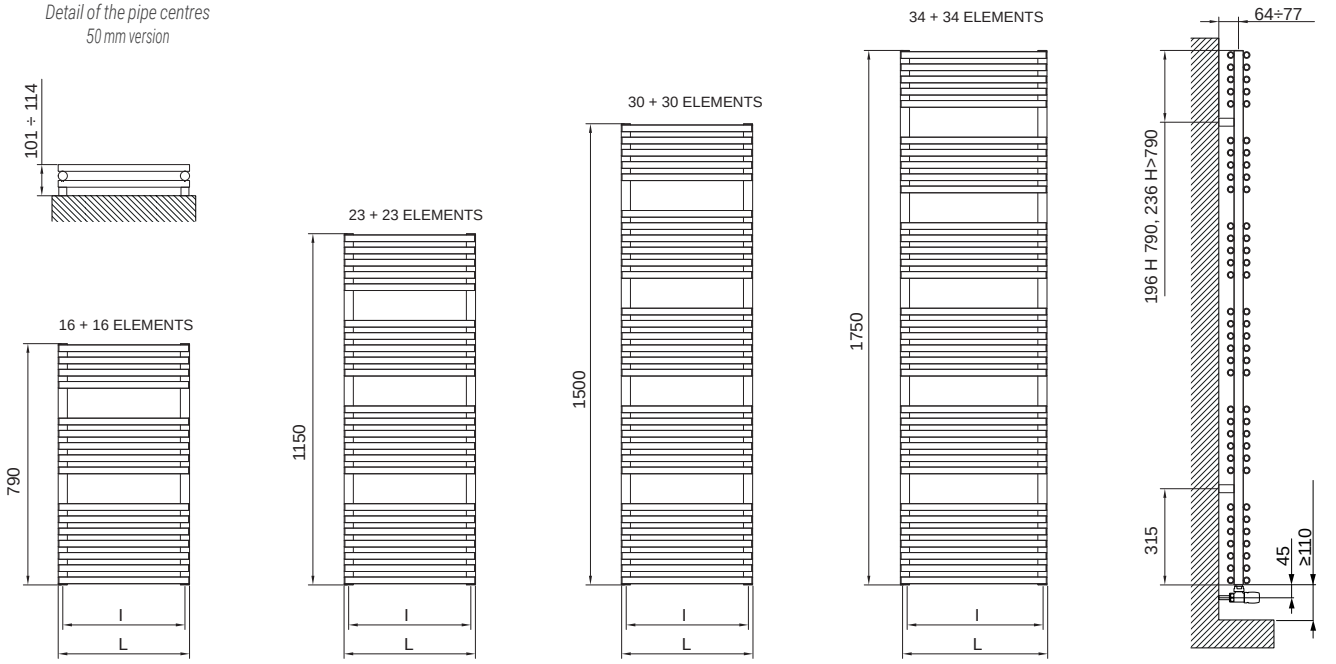
Thermostatic head quotes

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Detail of the pipe centres
50 mm version



Quotes for Kristal valves

GLORIA 22 PLUS

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
790	430	400	3551666100201	3551666100221	8,48	1,10	5,26	546	294	1,2095	600
	480	450	3551666100202	3551666100222	9,30	1,21	5,77	642	345	1,2149	700
1150	430	400	3551666100203	3551666100223	12,21	1,58	7,59	748	403	1,2090	900
	480	450	3551666100204	3551666100224	13,40	1,74	8,31	822	444	1,2082	900
	530	500	3551666100205	3551666100225	14,59	1,90	9,03	926	499	1,2096	900
	580	550	3551666100206	3551666100226	15,79	2,06	9,75	1002	540	1,2093	1200
	630	600	3551666100207	3551666100227	16,98	2,22	10,48	1079	588	1,1888	1200
1500	430	400	3551666100208	3551666100228	15,94	2,07	9,91	935	501	1,2221	900
	480	450	3551666100209	3551666100229	17,50	2,27	10,85	1025	550	1,2168	1200
	530	500	3551666100210	3551666100230	19,05	2,48	11,79	1154	617	1,2274	1200
	580	550	3551666100211	3551666100231	20,61	2,69	12,74	1247	672	1,2095	1200
	630	600	3551666100212	3551666100232	22,16	2,90	13,68	1340	721	1,2125	1200
1750	480	450	3551666100213	3551666100233	19,90	2,59	12,34	1137	606	1,2316	1200
	530	500	3551666100214	3551666100234	21,66	2,82	13,41	1235	655	1,2420	1200
	580	550	3551666100215	3551666100235	23,42	3,06	14,48	1385	741	1,2240	1200
	630	600	3551666100216	3551666100236	25,19	3,29	15,55	1540	826	1,2204	1200
	730	700	3551666100217	3551666100237	28,71	3,76	17,69	1752	937	1,2252	1200

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



GLORIA 22
CHROMED

page 72

EUROPEAN
WARRANTY

MATERIAL:
• Vertical collectors in mild steel ø 30 mm.
• Horizontal heating elements in mild steel ø 22 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

FINISHING:
CHROMED (PLATED IN ITALY)

ACCESSORIES:
See page 528

Functioning:	☑ Hot water	☑ Electric (see page 350)	☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

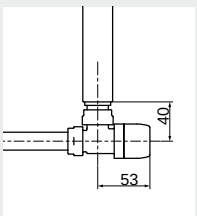
ACCESSORIES



Kristal valve square with thermostatic option- chromed

Copper conn. Ø 12/14/15
Art. nr. 5991990311165

Multilayer conn. Ø 16
Art. nr. 5991990311166



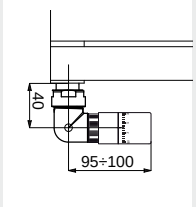
Quotes for square Kristal valves with thermostatic option



Kristal valve corner with thermostatic option- chromed

Copper conn. Ø 12/14/15
Art. nr. 5991990301148

Multilayer conn. Ø 16
Art. nr. 5991990301147

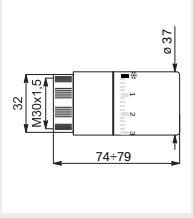


Quotes for corner Kristal valves with thermostatic option



Chromed thermostatic head

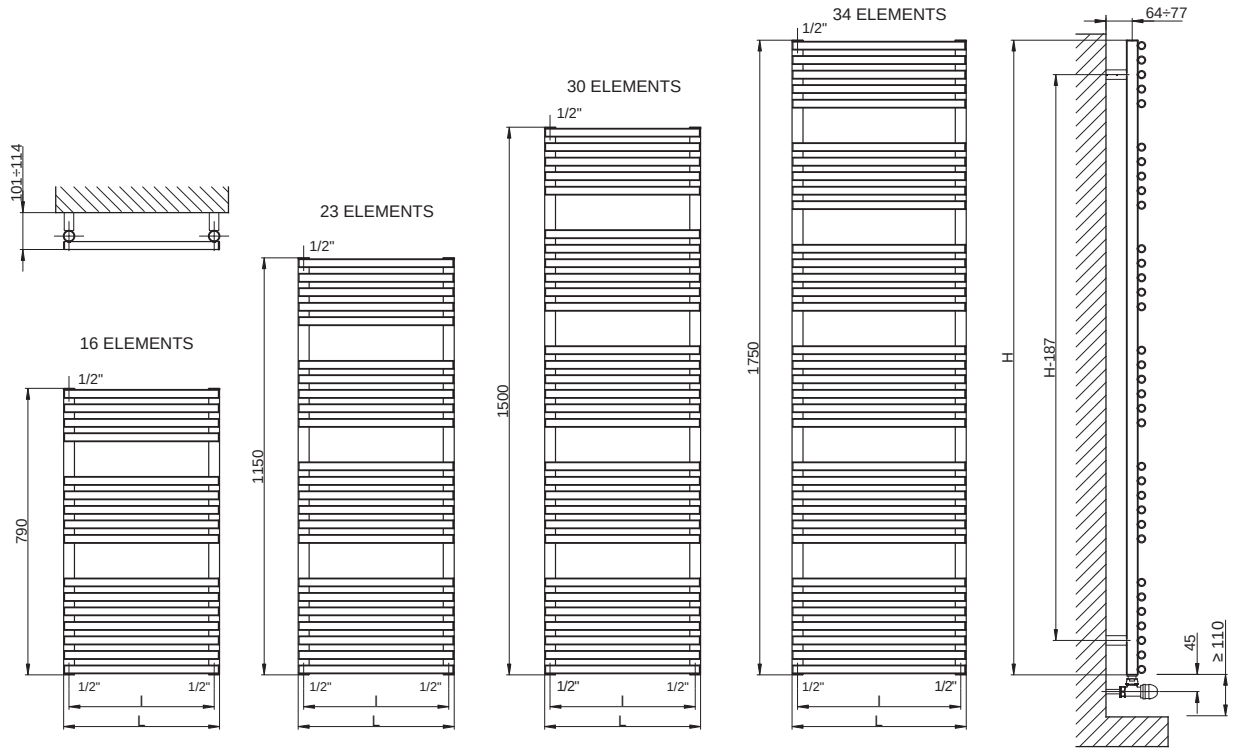
(Kit 2 pieces)
Art. nr. 5035270710015



Thermostatic head quotes

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Quotes for Kristal valves

GLORIA 22 CHROMED

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
790	430	400	3551666101101	6,1	0,61	3,0	279	151	1,1983	300
	480	450	3551666101102	6,6	0,66	3,1	302	164	1,1941	300
1150	430	400	3551666101103	8,8	0,88	4,2	392	209	1,2348	400
	480	450	3551666101104	9,5	0,95	4,6	426	228	1,2250	500
	530	500	3551666101105	10,2	1,03	5,0	460	247	1,2153	500
	580	550	3551666101106	10,9	1,10	5,3	494	267	1,2055	600
	630	600	3551666101107	11,8	1,18	5,7	528	287	1,1958	600
1500	430	400	3551666101108	11,4	1,41	5,5	502	268	1,2281	600
	480	450	3551666101109	12,3	1,25	6,3	546	292	1,2219	600
	530	500	3551666101110	13,2	1,32	6,5	591	318	1,2157	700
	580	550	3551666101111	14,2	1,44	6,9	636	343	1,2095	700
	630	600	3551666101112	15,0	1,53	7,3	680	368	1,2033	700
1750	480	450	3551666101113	6,8	1,41	6,7	626	336	1,2198	600
	530	500	3551666101114	7,3	1,50	7,4	678	364	1,2160	700
	580	550	3551666101115	7,9	1,63	7,9	730	393	1,2123	900
	630	600	3551666101116	8,4	1,75	8,4	782	422	1,2085	900
	730	700	3551666101117	8,9	1,86	8,9	886	480	1,2009	900

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



GLORIA 22
WIDE

page 78

EUROPEAN
WARRANTY

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Horizontal heating elements in painted mild steel ø 22 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



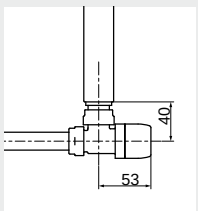
White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

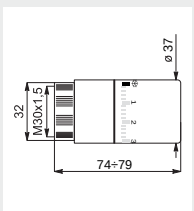


Chromed thermostatic head

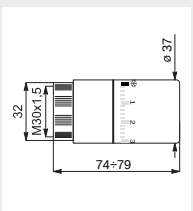
(Kit 2 pieces)
Art. nr. 5035270710015



Quotes for square Kristal valves with thermostatic option



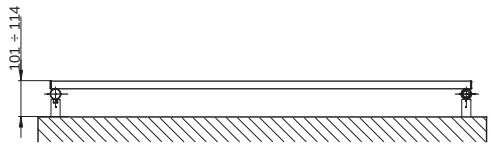
Thermostatic head quotes



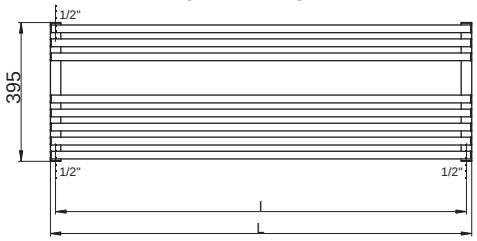
Thermostatic head quotes

If ordered separately from the radiator, the accessories are available in standard white only.

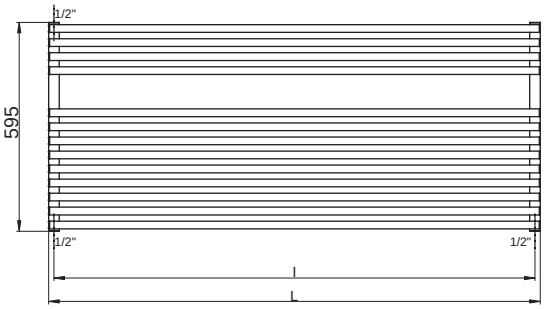
Accessories and spare parts - see from page 528

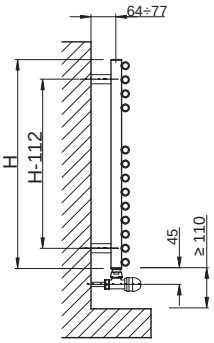


8 ELEMENTS



13 ELEMENTS





Quotes for Kristal valves

GLORIA 22 WIDE

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
395	1200	1170	3551666100001	6,7	0,73	3,5	488	268	1,1717	400
	1400	1370	3551666100003	7,7	0,85	3,8	565	308	1,1860	400
595	1200	1170	3551666100002	10,8	1,9	5,3	788	425	1,2070	700
	1400	1370	3551666100004	12,4	1,37	6,2	911	495	1,1954	700

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



DORY

page 82

EUROPEAN
WARRANTY

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Horizontal heating elements in painted mild steel da 50x10 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water	☑ Electric (see page 352)	☑ Dual energy (see page 544)

P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE

EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

NF Radiators, convectors and ceiling-mounted radiant panels, hot water heating, fan assisted and mixed

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kit 2 Hooks
WHITE RAL 9010 - R01

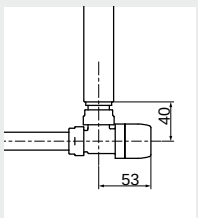
Art. nr. 5991990310389



Towel bar
WHITE RAL 9010 - R01
(width 390 mm)

Available with width
≥ 500 mm

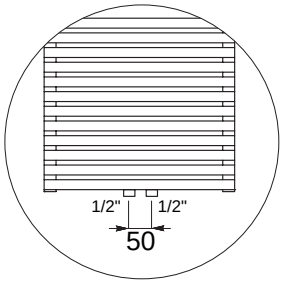
Art. nr. 5991990331127



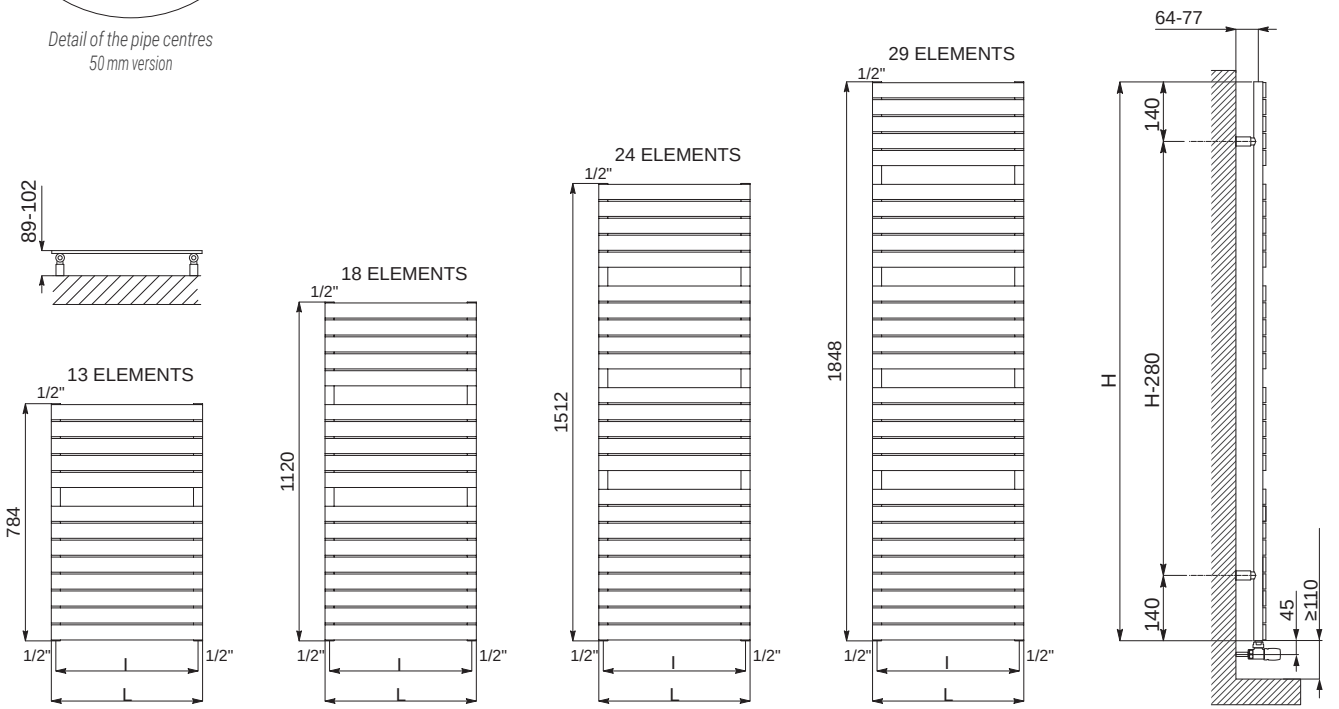
Quotes for square Kristal valves with thermostatic option

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Detail of the pipe centres
50 mm version



Quotes for Kristal valves

DORY

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
784	400	370	3551426100200	3551426100230	7,3	0,772	2,8	355	195	1,1761	400
	500	470	3551426100210	3551426100240	8,7	0,928	3,2	442	243	1,1679	500
1120	400	370	3551426100201	3551426100231	10,2	1,075	3,9	482	265	1,1741	500
	500	470	3551426100211	3551426100241	12,1	1,291	4,5	592	326	1,1693	700
	600	570	3551426100221	3551426100251	14,1	1,507	5,2	702	387	1,1660	700
1512	400	370	3551426100202	3551426100232	13,6	1,437	5,2	631	347	1,1716	700
	500	470	3551426100212	3551426100242	16,2	1,725	6,1	767	422	1,1709	900
	600	570	3551426100222	3551426100252	18,8	2,013	6,9	904	497	1,1704	900
1848	400	370	3551426100203	3551426100233	16,5	1,740	6,3	751	413	1,1696	900
	500	470	3551426100213	3551426100243	19,6	2,088	7,4	911	501	1,1722	900
	600	570	3551426100223	3551426100253	22,8	2,436	8,4	1071	588	1,1740	1200

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



KATIA VX

page 88

EUROPEAN
WARRANTY

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Horizontal heating elements in painted mild steel 15x20 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

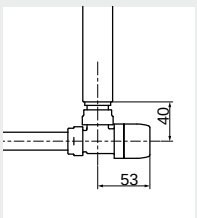
ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Quotes for square Kristal valves with thermostatic option



Kit 2 Hooks
WHITE RAL 9010 - R01

Art. nr. 5991990310391



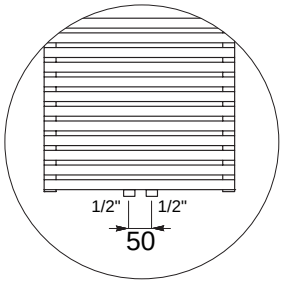
Towel bar
WHITE RAL 9010 - R01
(width 440 mm)

Available with width
≥ 500 mm

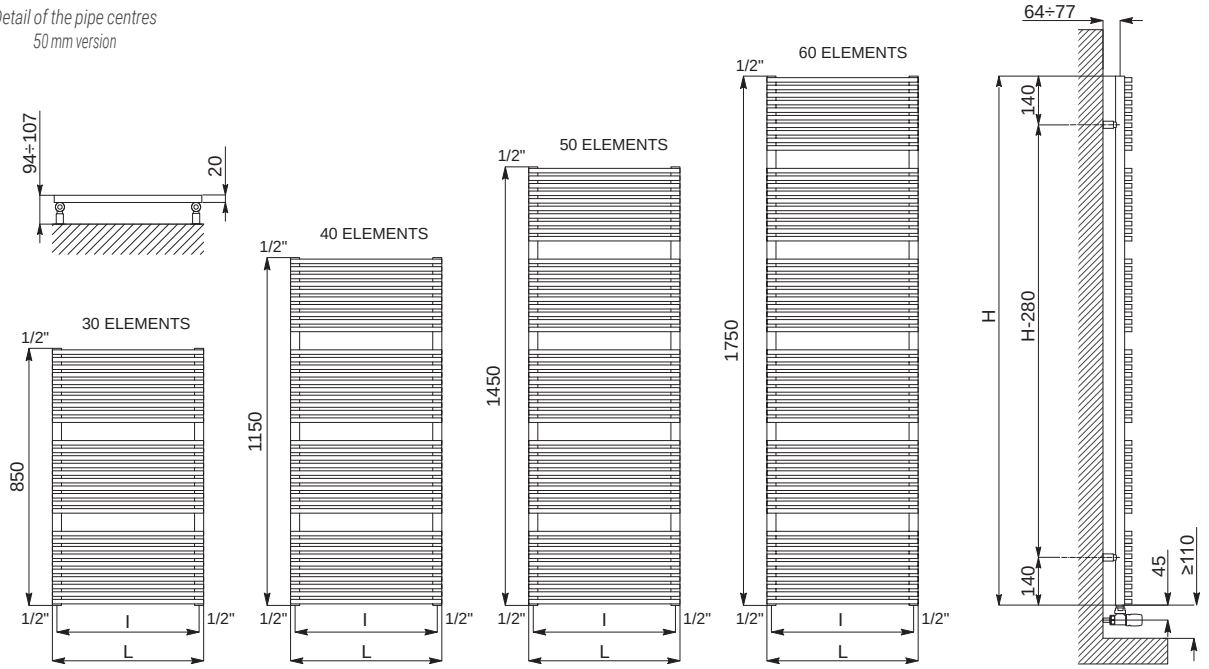
Art. nr. 5991990331129

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Detail of the pipe centres
50 mm version



Quotes for Kristal valves

KATIA VX

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
850	400	370	3551826101001	3551826101101	9,3	1,00	2,68	474	256	1,2065	500
	500	470	3551826101005	3551826101105	11,2	1,21	3,12	571	310	1,1965	700
1150	400	370	3551826101002	3551826101102	12,4	1,33	3,60	580	311	1,2224	700
	500	470	3551826101006	3551826101106	14,9	1,61	4,18	731	392	1,2186	900
	600	570	3551826101009	3551826101109	17,3	1,89	4,75	886	476	1,2147	900
	800	770	3551826101012	3551826101112	23,4	2,45	6,38	1196	645	1,2100	1200
1450	400	370	3551826101003	3551826101103	15,6	1,67	4,52	723	385	1,2354	900
	500	470	3551826101007	3551826101107	18,6	2,03	5,24	892	477	1,2270	900
	600	570	3551826101010	3551826101110	21,7	2,37	5,96	1064	571	1,2185	1200
	800	770	3551826101013	3551826101113	29,3	3,00	8,00	1408	760	1,2077	1200
1750	400	370	3551826101004	3551826101104	18,7	2,00	5,43	861	454	1,2542	900
	500	470	3551826101008	3551826101108	22,4	2,45	6,29	1058	564	1,2315	1200
	600	570	3551826101011	3551826101111	26,0	2,85	7,16	1259	679	1,2084	1200
	800	770	3551826101014	3551826101114	35,2	3,60	9,61	1661	909	1,1794	1200

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



KATIA VX
PLUS

page 90

EUROPEAN
WARRANTY

NEW

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Double horizontal heating elements in painted mild steel 15x20 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
Pipe centres 50 mm right
white R01 - ral 9010

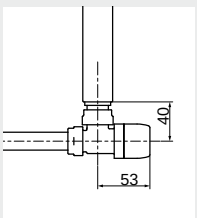
Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185

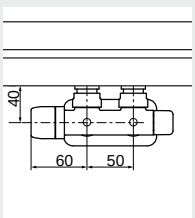


White thermostatic head

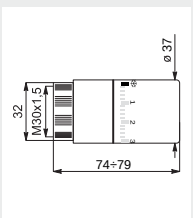
(Kit 2 pieces)
Art. nr. 5035270710016



Quotes for square Kristal valves with thermostatic option



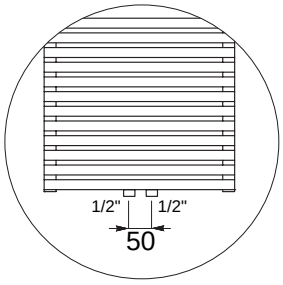
Quotes for square Kristal valves with thermostatic option



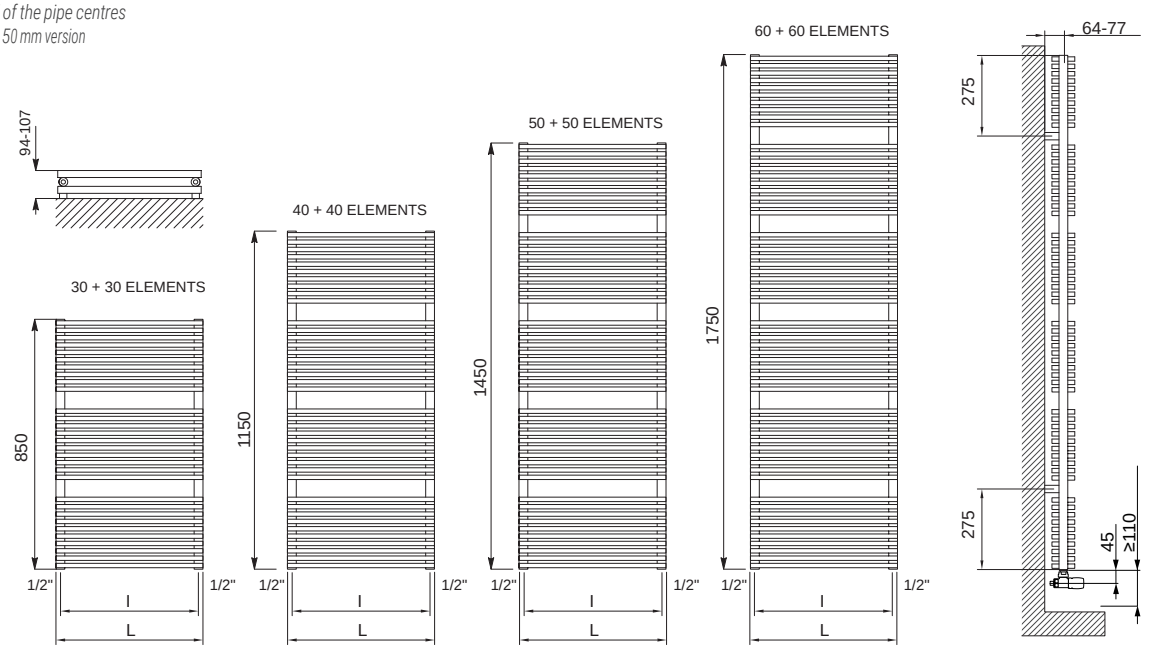
Thermostatic head quotes

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Detail of the pipe centres
50 mm version



Quotes for Kristal valves

KATIA VX PLUS

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Thermal output [Watt] Δt=30°C	Exp. n	Dual energy kit [Watt]
850	400	370	3551826100101	3551826100115	16,40	1,70	6,20	608	322	1,2419	700
	500	470	3551826100105	3551826100119	19,90	2,10	7,50	782	416	1,2353	900
1150	400	370	3551826100102	3551826100116	21,90	2,20	8,30	772	408	1,2497	900
	500	470	3551826100106	3551826100120	26,60	2,70	10,10	995	528	1,2405	1200
	600	570	3551826100109	3551826100123	31,30	3,20	11,80	1219	650	1,2312	1200
	800	770	3551826100112	3551826100126	40,60	4,20	15,40	1667	897	1,2128	1200
1450	400	370	3551826100103	3551826100117	27,40	2,80	10,40	937	493	1,2575	1200
	500	470	3551826100107	3551826100121	33,20	3,40	12,60	1200	635	1,2457	1200
	600	570	3551826100110	3551826100124	39,10	4,00	14,80	1463	779	1,2339	1200
	800	770	3551826100113	3551826100127	50,00	5,30	19,20	1988	1071	1,2102	1200
1750	400	370	3551826100104	3551826100118	32,90	3,40	12,50	1106	580	1,2646	1200
	500	470	3551826100108	3551826100122	39,90	4,10	15,20	1398	739	1,2489	1200
	600	570	3551826100111	3551826100125	46,90	4,80	17,80	1690	900	1,2331	1200
	800	770	3551826100114	3551826100128	60,90	6,30	23,10	2274	1231	1,2017	1200

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



KATIA VX
WIDE

page 92

EUROPEAN
WARRANTY

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Horizontal heating elements in painted mild steel 15x20 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



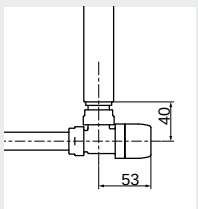
White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

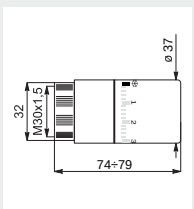


Kit 2 Hooks
WHITE RAL 9010 - R01

Art. nr. 5991990310391



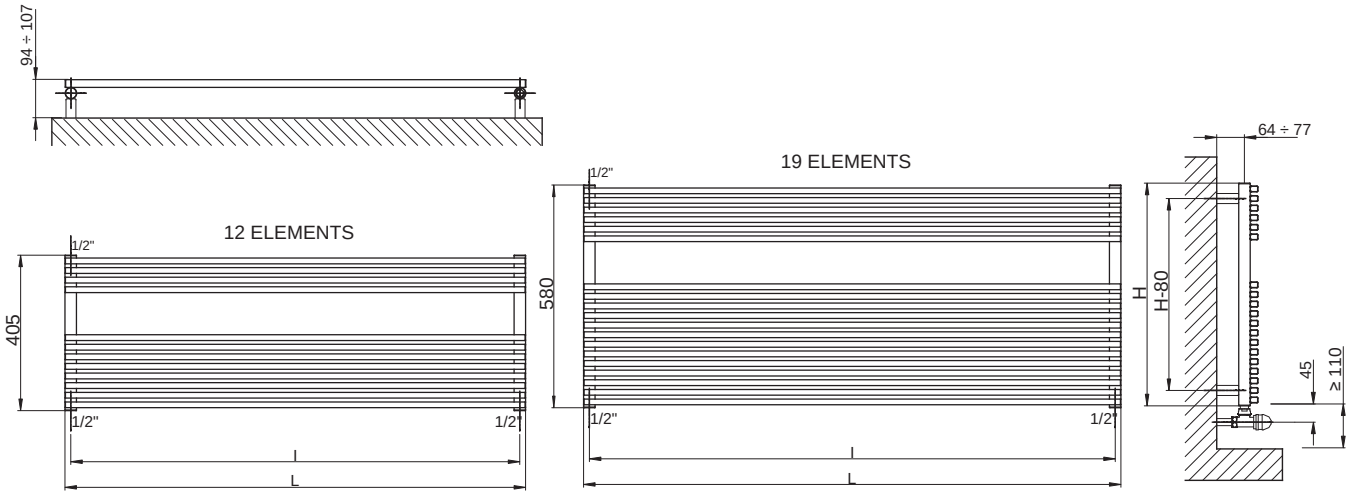
Quotes for square Kristal valves with thermostatic option



Thermostatic head quotes

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Quotes for Kristal valves

KATIA VX WIDE

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
405	1200	1170	3551826101201	10,9	1,06	3,3	621	336	1,2029	400
	1400	1370	3551826101203	12,0	1,25	3,8	740	404	1,1852	400
580	1200	1170	3551826101202	11,3	1,21	3,6	960	532	1,1572	700
	1400	1370	3551826101204	13,0	1,29	4,1	1122	603	1,2170	700

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



KELLY FLAT

page 94

EUROPEAN
WARRANTY

MATERIAL:
• Vertical collectors in painted mild steel ø 38 mm.
• Horizontal heating elements in painted mild steel 50 x 10 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.
PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

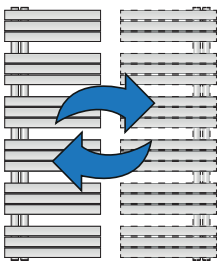
COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water	☑ Electric (see page 354-382-385)	☑ Dual energy (see page 544)

P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 2 da 1/2" gas for airvent

UPSIDE DOWN



CERTIFICATIONS

CE

EN 442-1 EURONORM RADIATORS AND CONVECTORS

NF Radiators, convectors and ceiling-mounted radiant panels, hot water heating, fan assisted and mixed

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
Pipe centres 50 mm left
white R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



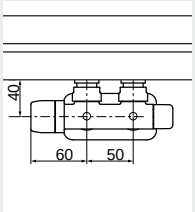
White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

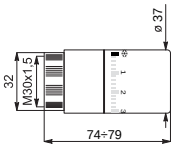


Chromed thermostatic head

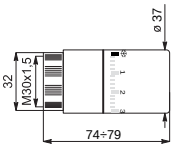
(Kit 2 pieces)
Art. nr. 5035270710015



Quotes for square Kristal valves with thermostatic option



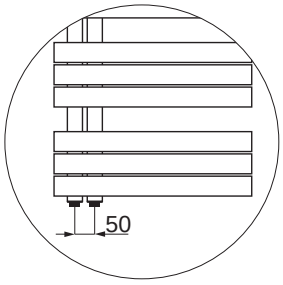
Thermostatic head quotes



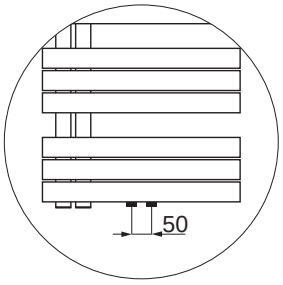
Thermostatic head quotes

If ordered separately from the radiator, the accessories are available in standard white only.

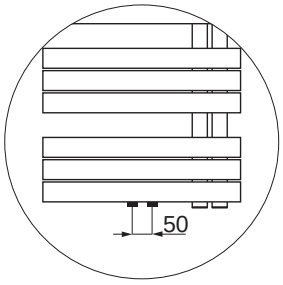
Accessories and spare parts - see from page 528



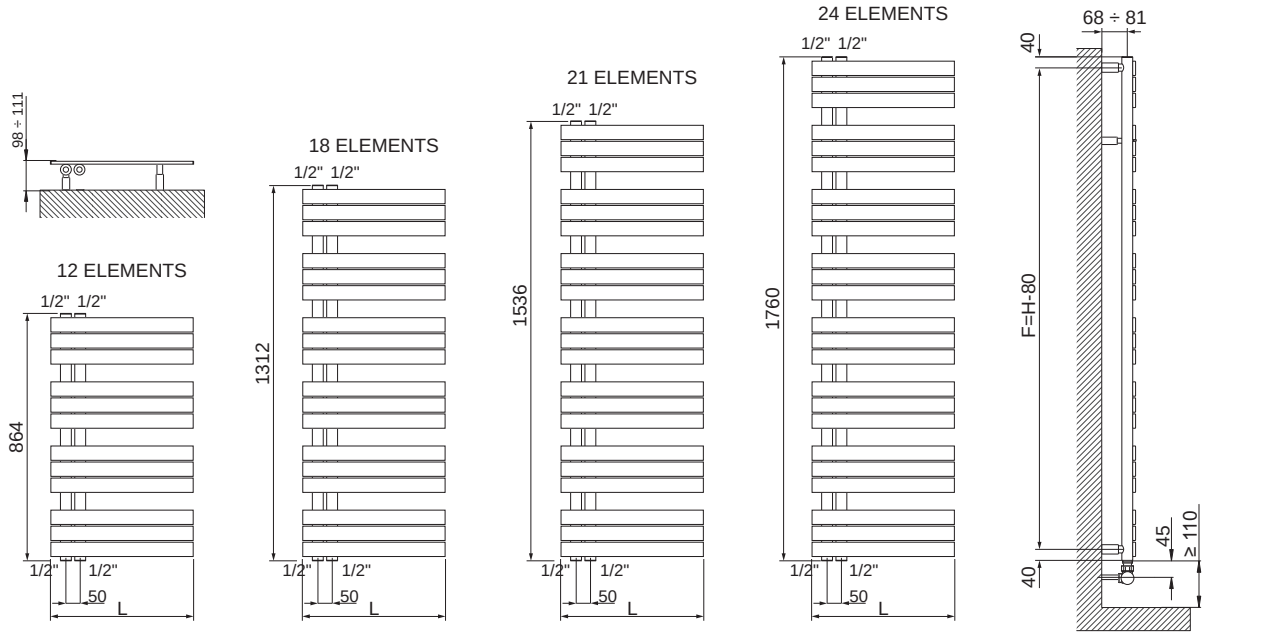
Detail of the pipe centres 50 mm version



Detail of central connection (collectors on the left)



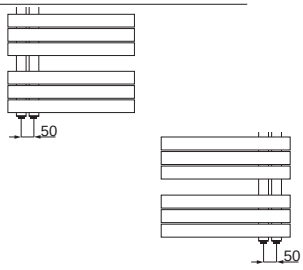
Detail of central connection (collectors on the right)



Quotes for Kristal valves

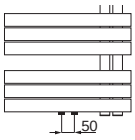
KELLY FLAT

Height [mm]	WIDTH L [mm]	Art. nr.	Dry Weight [Kg]	Surface [m²]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
864	500	3551726100025	8,5	0,87	3,9	381	204	1,2243	400
	600	3551726100029	9,8	1,01	4,3	443	234	1,2536	500
1312	500	3551726100026	12,7	1,31	5,8	563	300	1,2351	600
	600	3551726100030	14,6	1,51	6,5	637	336	1,2533	600
1536	500	3551726100027	14,9	1,53	6,8	652	341	1,2695	600
	600	3551726100031	17,1	1,77	7,6	742	388	1,2696	700
1760	500	3551726100028	17,0	1,75	7,8	728	378	1,2837	700
	600	3551726100032	19,5	2,02	8,7	875	455	1,2781	900



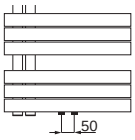
KELLY FLAT CENTRAL CONNECTION (COLLECTORS ON THE RIGHT)

Height [mm]	WIDTH L [mm]	Art. nr.
864	500	3551726100041
	600	3551726100045
1312	500	3551726100042
	600	3551726100046
1536	500	3551726100043
	600	3551726100047
1760	500	3551726100044
	600	3551726100048



KELLY FLAT CENTRAL CONNECTION (COLLECTORS ON THE LEFT)

Height [mm]	WIDTH L [mm]	Art. nr.
864	500	3551726100033
	600	3551726100037
1312	500	3551726100034
	600	3551726100038
1536	500	3551726100035
	600	3551726100039
1760	500	3551726100036
	600	3551726100040



Art. nr. are referred to colour WHITE R01 - RAL 9010 version.
For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



SAMIRA

page 102

EUROPEAN
WARRANTY

NEW

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Horizontal heating elements in painted mild steel elliptical 50 x 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve corner with thermostatic option
White R01 - ral 9010

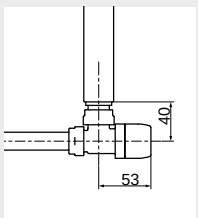
Copper conn. Ø 12/14/15
Art. nr. 5991990311176

Multilayer conn. Ø 16
Art. nr. 5991990311175

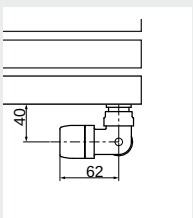


White thermostatic head

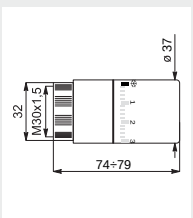
(Kit 2 pieces)
Art. nr. 5035270710016



Quotes for square Kristal valves with thermostatic option



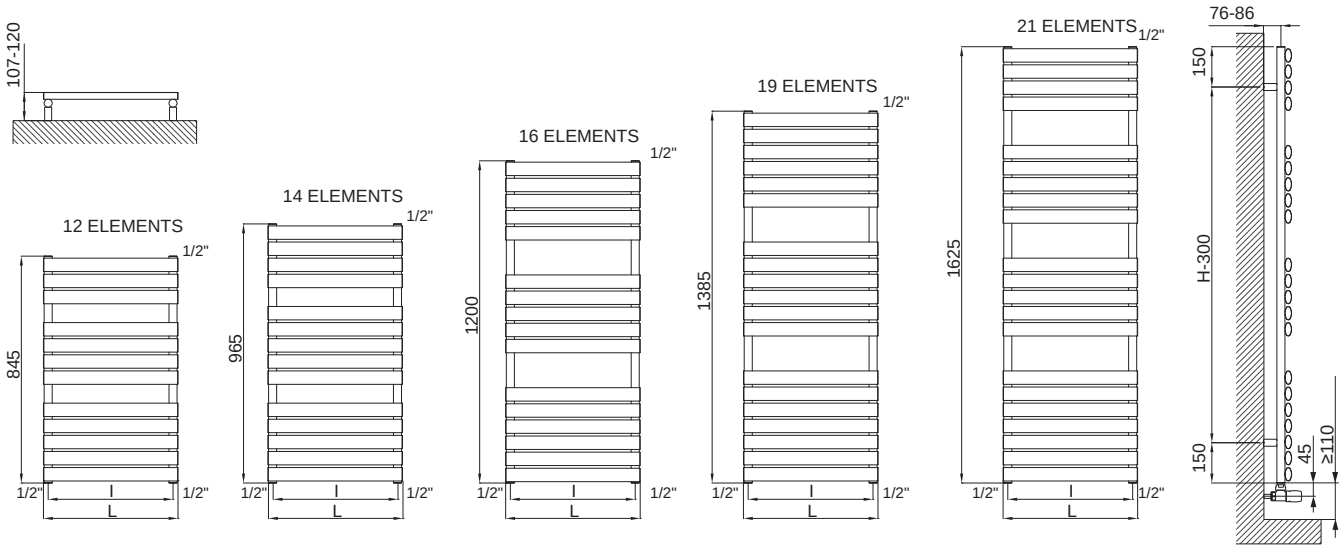
Quotes for corner Kristal valves with thermostatic option



Thermostatic head quotes

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Quotes for Kristal valves

SAMIRA

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
845	400	365	3551626102031	7,62	0,740	5,64	371	200	1,2079	400
	500	465	3551626102032	8,95	0,880	6,82	456	248	1,1938	500
	600	565	3551626102033	10,28	1,030	8,00	541	296	1,1798	600
965	400	365	3551626102034	8,83	0,860	6,56	414	223	1,2070	500
	500	465	3551626102035	10,38	1,030	7,93	507	275	1,1944	600
	600	565	3551626102036	11,93	1,190	9,31	600	328	1,1818	700
1200	400	365	3551626102037	10,29	1,000	7,61	501	271	1,2051	600
	500	465	3551626102038	12,06	1,190	9,18	609	331	1,1954	700
	600	565	3551626102039	13,83	1,380	10,75	718	392	1,1856	900
1385	400	365	3551626102040	11,95	1,170	8,99	571	308	1,2081	700
	500	465	3551626102041	14,22	1,410	10,85	693	378	1,1889	700
	600	565	3551626102042	16,09	1,610	12,72	815	444	1,1897	900
1625	400	365	3551626102043	13,40	1,310	10,04	667	359	1,2119	700
	500	465	3551626102044	15,69	1,550	12,10	808	437	1,2034	900
	600	565	3551626102045	17,98	1,790	14,17	949	536	1,1195	900

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



SAMIRA
WIDE

page 104

EUROPEAN
WARRANTY

NEW

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Horizontal heating elements in painted mild steel elliptical 50 x 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve corner with thermostatic option
White R01 - ral 9010

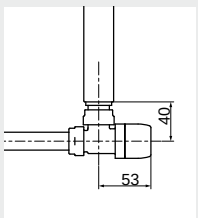
Copper conn. Ø 12/14/15
Art. nr. 5991990311176

Multilayer conn. Ø 16
Art. nr. 5991990311175

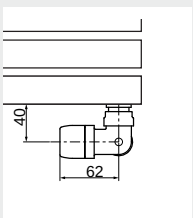


White thermostatic head

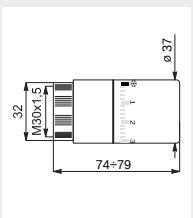
(Kit 2 pieces)
Art. nr. 5035270710016



Quotes for square Kristal valves with thermostatic option



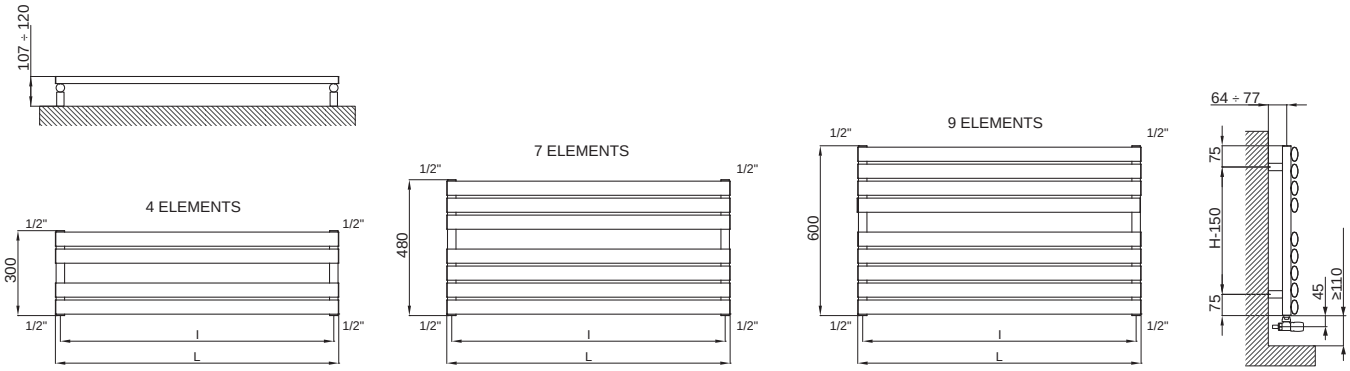
Quotes for corner Kristal valves with thermostatic option



Thermostatic head quotes

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Quotes for Kristal valves

SAMIRA WIDE

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Thermal output [Watt] Δt=30°C	Exp. n	Dual energy kit [Watt]
300	1000	970	3601626100100	5,30	0,54	4,26	299	164	1,1718	//
	1200	1170	3601626100101	6,20	0,63	5,00	358	197	1,1718	//
	1400	1370	3601626100102	7,10	0,72	5,80	418	230	1,1718	//
480	1000	970	3601626100103	9,10	0,93	7,40	507	276	1,1899	500
	1200	1170	3601626100104	10,70	1,10	8,80	608	331	1,1899	500
	1400	1370	3601626100105	12,20	1,26	10,20	710	387	1,1899	500
600	1000	970	3601626100106	11,70	1,20	9,50	637	345	1,2006	700
	1200	1170	3601626100107	13,70	1,40	11,27	764	414	1,2006	700
	1400	1370	3601626100108	15,70	1,60	13,00	892	483	1,2006	700

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



KORA

page 106

EUROPEAN
WARRANTY

NEW

MATERIAL:
• Vertical collectors in painted mild steel 30x30 mm.
• Horizontal heating elements in painted mild steel 50x10 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 4 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve corner with thermostatic option
White R01 - ral 9010

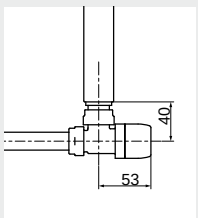
Copper conn. Ø 12/14/15
Art. nr. 5991990311176

Multilayer conn. Ø 16
Art. nr. 5991990311175

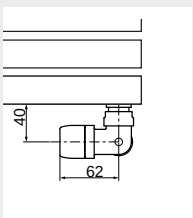


White thermostatic head

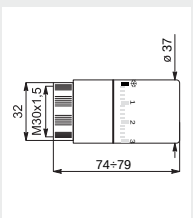
(Kit 2 pieces)
Art. nr. 5035270710016



Quotes for square Kristal valves with thermostatic option



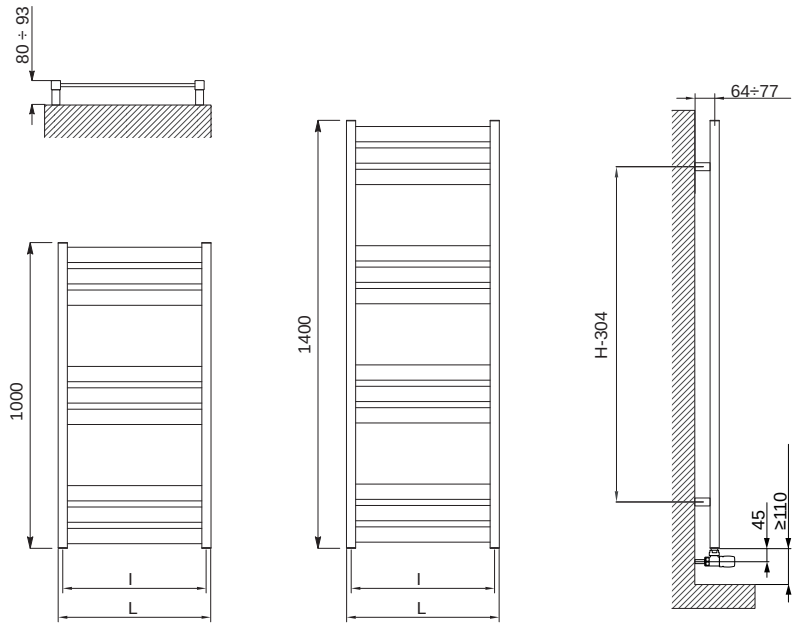
Quotes for corner Kristal valves with thermostatic option



Thermostatic head quotes

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



Quotes for Kristal valves

KORA

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
1000	500	470	3551626100051	7,7	0,65	7,7	384	207	1,2091	400
1400	500	470	3551626100052	10,4	0,88	10,4	520	281	1,2047	600

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



ARDESIA® ELECTRIC

NEW

page 23

EUROPEAN **WARRANTY**

MATERIAL:
- Pressed heads in carbon steel sheet.
- Welded carbon steel tube ø 25 mm.
- Glycolate water.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

FIXING KIT:
Universal rapid safety kit and user notice included.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: available only in standard white colour RAL 9010-R01.

ACCESSORIES:
See page 528

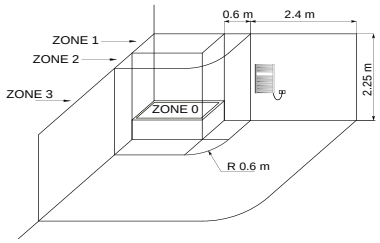
Class protection CLASS 2	Minimum ingress protection: IP 22	Wire lenght: 1200 mm with Schuko plug

Seasonal energy efficiency η_s: 40%	Power supply: 230 V - 50 Hz

CERTIFICATIONS

CE

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%.
The seasonal energy efficiency of ambient heating (η_s) is expressed with the ratio between the demand of ambient heating supplied by a heating appliance and the annual energy consumption required to meet this demand, expressed as percentage.
The Cordivari ErP is in line with the new Ecodesign directives, which are characterized by a great efficiency combined with the maximum attention to energy saving. In particular the radiators are at least equipped with: electronic temperature control; open window sensor; weekly program timer.
Thanks to the new fully programmable digital thermostats and sensors present on the radiators, now the new Cordivari ErP electric radiators, heat, efficiency and energy saving are the best allies of your comfort.

INCLUDED



Universal rapid safety kit

Pair of wall ties fixing kit colour white

ACCESSORIES



Kit 2 hooks

WHITE
Art. nr. 5991990310375

CHROMED
Art. nr. 5991990310376



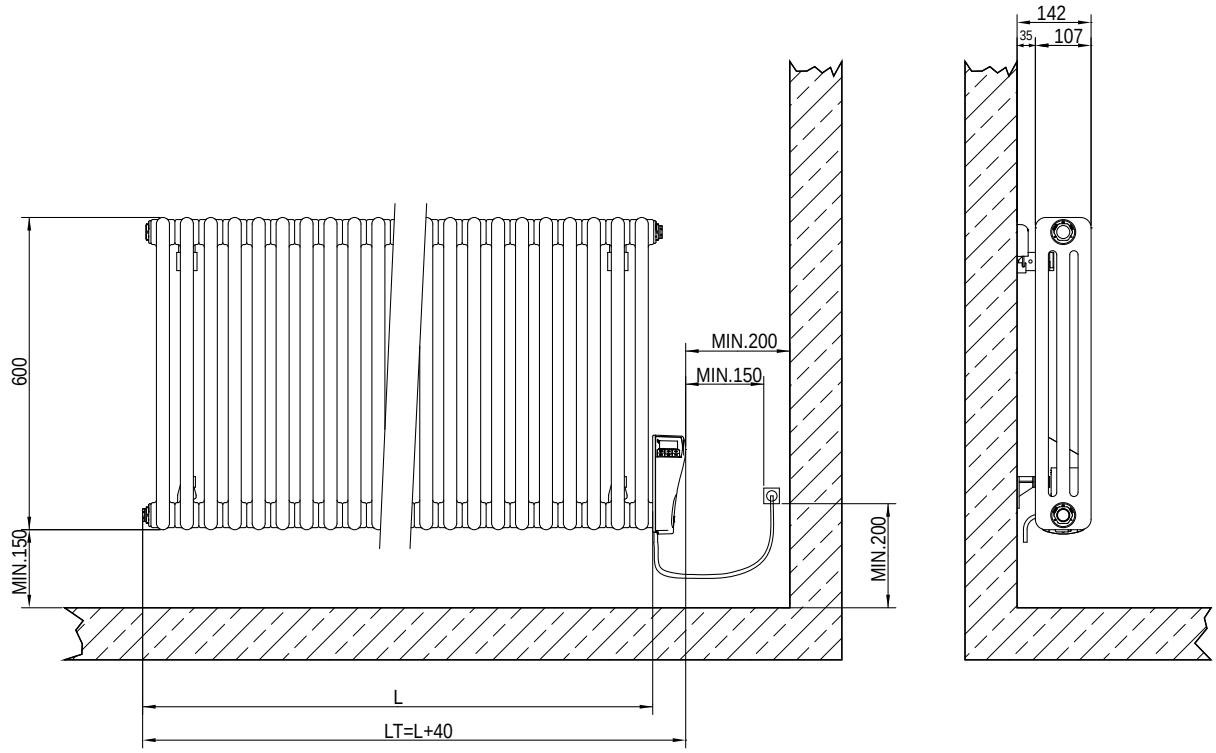
Infrared remote control

Remote control of digital chrono-thermostat funtioning

Art. nr. 5150990000002

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



ARDESIA® ELECTRIC

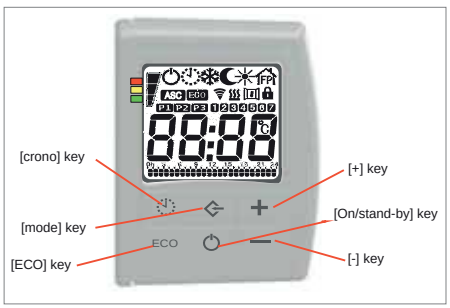
Height [mm]	WIDTH [mm]	N° Elements	N° COLUMNS	Art. nr.	Output [Watt]	Weight [Kg]
600	338	7	3	3586706100001	400	16
	384	8	3	3586706100002	500	18
	568	12	3	3586706100003	750	27
	614	13	3	3586706100004	900	30
	706	15	3	3586706100005	1000	34
	798	17	3	3586706100006	1200	39
	982	21	3	3586706100007	1500	48
	1120	24	3	3586706100008	2000	55

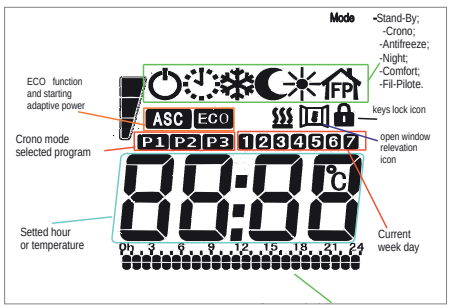
Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

PROGRAMMABLE DIGITAL THERMOSTAT WITH DAILY AND WEEKLY FUNCTION

Comfort Mode:
Main function used to maintain the comfort temperature
Night mode:
Function to maintain an appropriate temperature at night
Antifreeze mode:
Function that ensures the antifreeze protection of the radiator when the ambient temperature falls below 7 ° C
Chrono Mode:
Functioning according to an operating program set by the user
ECO mode:
Energy saving function that lowers the temperature of all the settings of the radiator by 3 ° C
Vacation mode:
Function that excludes all the programming and user settings, except the anti-freeze safety, for a period of time set by the user
Child safety and key lock:
Function that protects the appliance from improper or involuntary actions and settings
ASC adaptive self-learning system:
According to an adaptive self-learning algorithm, this function provides for reaching the desired room temperature at the times set by the user.
Open window detection system:
Function that provides for the deactivation of the radiator, for a maximum of 30 minutes, if the opening of a window in the room is detected
Consumption indicator
The consumption indicator indicates the electric absorption level and therefore the consumption of the appliance, helping the user to define the ideal operating mode of the radiator in an energy saving perspective.

CLASS PROTECTION	Class II
MIN. INGRESS PROTECTION	IP22
THERMOSTAT COLOUR	White
WIRE COLOUR	White
RANGE OF SETTABLE TEMPERATURES	7 ÷ 32 °C
POWER SUPPLY	230 Vac – 50Hz







CLAUDIA® ELECTRIC

page 40

EUROPEAN **WARRANTY**

MATERIAL:
• Vertical collectors in painted mild steel semi oval 30x40 mm.
• Horizontal heating elements in painted mild steel ø 25 mm.
• Glycolate water.

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Electrical only:	☑ With PLUS digital thermostat (800 mm wire lenght - with Schuko plug)	☑ With ECO digital thermostat (1200 mm wire lenght - with Schuko plug)

Class protection: CLASS 1	Minimum ingress protection: IP 44	Power supply: 230 V - 50 Hz

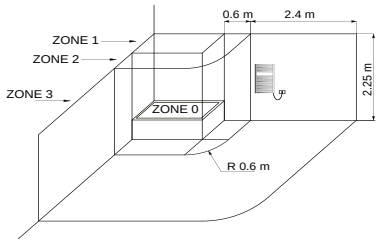
Seasonal energy efficiency η_s: 39% with PLUS digital thermostat	Seasonal energy efficiency η_s: 38% with ECO digital thermostat

CERTIFICATIONS

CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP 2018

All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%.
The seasonal energy efficiency of ambient heating (η_s) is expressed with the ratio between the demand of ambient heating supplied by a heating appliance and the annual energy consumption required to meet this demand, expressed as percentage.
The Cordivari ErP is in line with the new Ecodesign directives, which are characterized by a great efficiency combined with the maximum attention to energy saving. In particular the radiators are at least equipped with: electronic temperature control; open window sensor; weekly program timer.
Thanks to the new fully programmable digital thermostats and sensors present on the radiators, now the new Cordivari ErP electric radiators, heat, efficiency and energy saving are the best allies of your comfort.

INCLUDED



Remote control of PLUS digital chrono-thermostat

Remote control of PLUS digital chrono-thermostat funtioning

ACCESSORIES



Kit 2 hooks painted mild steel - white R01

Art. nr. 5991990310028

If ordered separately from the radiator, the accessories are available in standard white only.

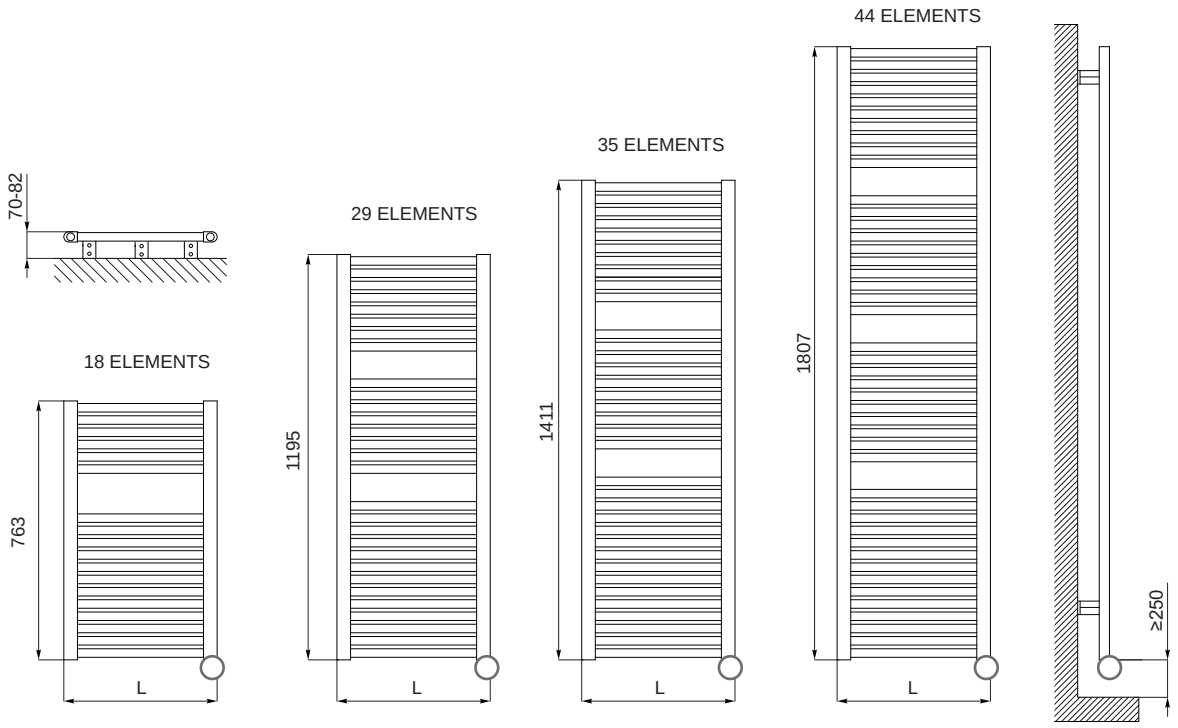


WIDTH 377 mm

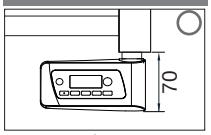
Towel bar painted mild steel-white R01

Art. nr.	Available on width
5991990310047	≥ 400 mm
5991990310029	≥ 500 mm
5991990310034	≥ 600 mm
5991990310030	≥ 750 mm

Accessories and spare parts - see from page 528



DIGITAL THERMOSTAT
PLUS



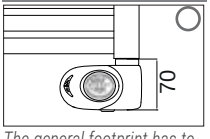
The general footprint has to be calculated considering the thermostat height

CLAUDIA® ELECTRIC (remote control included)

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
763	400	3581356100166	400	11
	500	3581356100160	400	13
1195	400	3581356100167	600	16
	450	3581356100161	600	18
	500	3581356100162	700	20
1411	400	3581356100168	700	19
	500	3581356100163	900	23
1807	500	3581356100164	900	29
	600	3581356100165	1200	34

Technical specification of thermostat see page 547

DIGITAL THERMOSTAT
ECO



The general footprint has to be calculated considering the thermostat height

CLAUDIA® ELECTRIC

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
763	400	3581356100097	400	11
	500	3581356100091	400	13
1195	400	3581356100098	600	16
	450	3581356100092	600	18
	500	3581356100093	700	20
1411	400	3581356100099	700	19
	500	3581356100094	900	23
1807	500	3581356100095	900	29
	600	3581356100096	1200	34

Technical specification of thermostat see page 547

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.



LUCY 18 ELECTRIC

page 56

EUROPEAN **WARRANTY**

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Horizontal heating elements in painted mild steel ø 18 mm.
• Glycolate water.

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Electrical only:	☑ With PLUS digital thermostat (800 mm wire lenght - with Schuko plug)	☑ With ECO digital thermostat (1200 mm wire lenght - with Schuko plug)

Class protection: CLASS 1	Minimum ingress protection: IP 44	Power supply: 230 V - 50 Hz

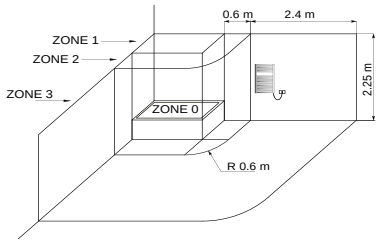
Seasonal energy efficiency η_s: 39% with PLUS digital thermostat	Seasonal energy efficiency η_s: 38% with ECO digital thermostat

CERTIFICATIONS

CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP 2018

All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%.
The seasonal energy efficiency of ambient heating (η_s) is expressed with the ratio between the demand of ambient heating supplied by a heating appliance and the annual energy consumption required to meet this demand, expressed as percentage.
The Cordivari ErP is in line with the new Ecodesign directives, which are characterized by a great efficiency combined with the maximum attention to energy saving. In particular the radiators are at least equipped with: electronic temperature control; open window sensor; weekly program timer.
Thanks to the new fully programmable digital thermostats and sensors present on the radiators, now the new Cordivari ErP electric radiators, heat, efficiency and energy saving are the best allies of your comfort.

INCLUDED



Remote control of PLUS digital chrono-thermostat

Remote control of PLUS digital chrono-thermostat funtioning

ACCESSORIES



Kit 2 hooks painted mild steel - white R01

Art. nr. 5991990310388

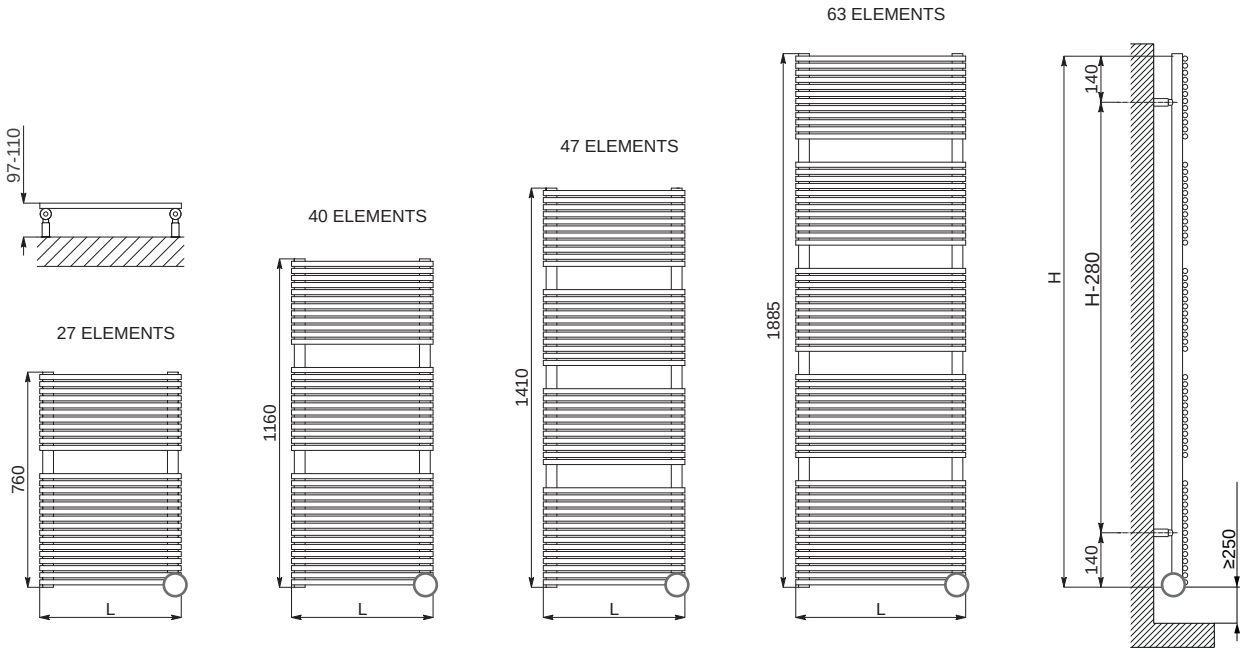


Towel bar painted mild steel-white R01

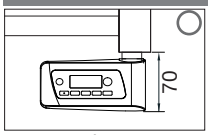
Art. nr. 5991990331126

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



DIGITAL THERMOSTAT
PLUS



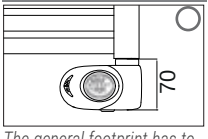
The general footprint has to be calculated considering the thermostat height

LUCY 18 ELECTRIC (remote control included)

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
760	480	3581406100240	500	14
1160	480	3581406100241	700	22
1410	480	3581406100242	900	26
1885	480	3581406100243	1200	30

Technical specification of thermostat see page 547

DIGITAL THERMOSTAT
ECO



The general footprint has to be calculated considering the thermostat height

LUCY 18 ELECTRIC

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
760	480	3581406100230	500	14
1160	480	3581406100231	700	22
1410	480	3581406100232	900	26
1885	480	3581406100233	1200	30

Technical specification of thermostat see page 547

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.



GLORIA 22 ELECTRIC

page 74

EUROPEAN **WARRANTY**

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Horizontal heating elements in painted mild steel ø 22 mm.
• Glycolate water.

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Electrical only:	☑ With ECO digital thermostat (1200 mm wire lenght with Schuko plug)

Class protection: CLASS 1	Minimum ingress protection: IP 44	Power supply: 230 V - 50 Hz

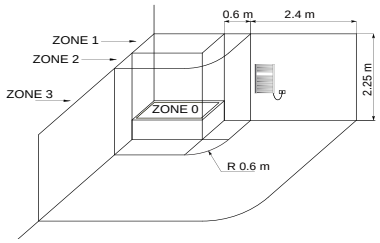
Seasonal energy efficiency η_s: 38% with ECO digital thermostat

CERTIFICATIONS

CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

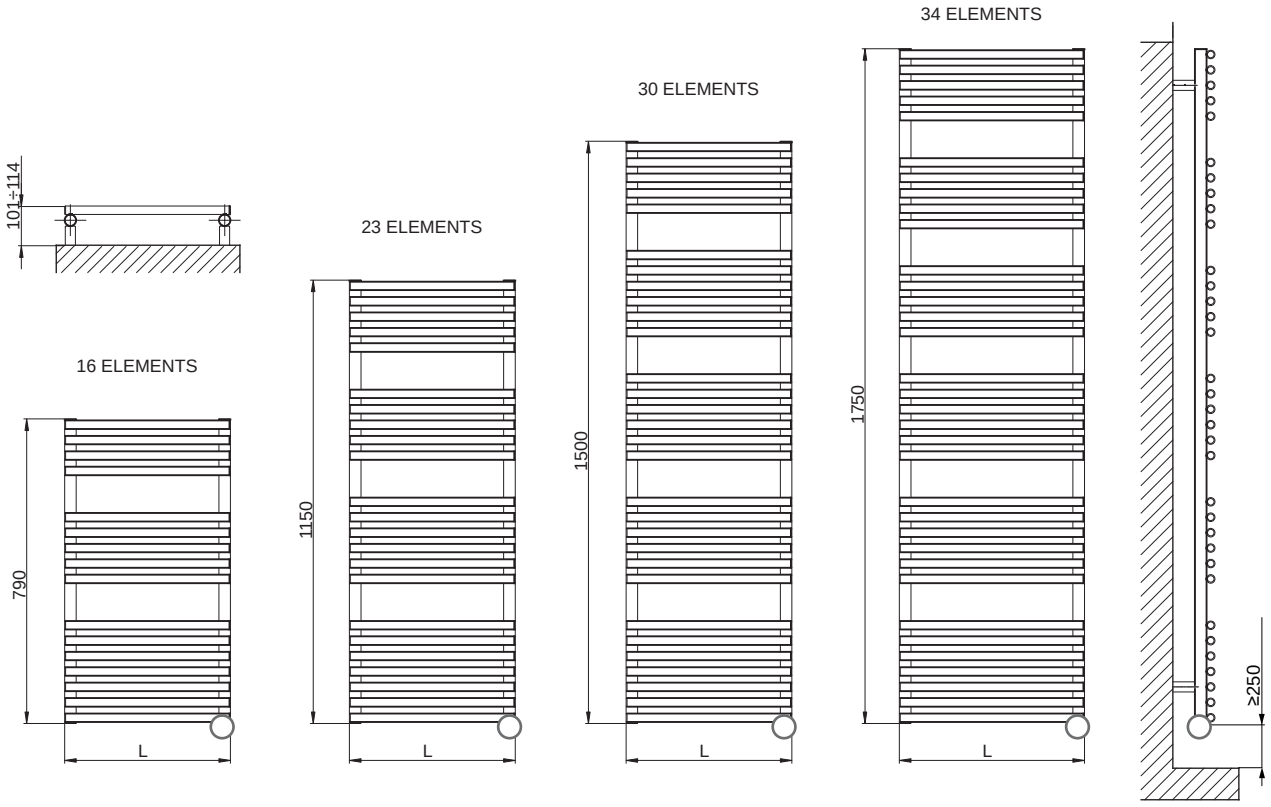
HOW TO PLACE ELECTRIC RADIATORS



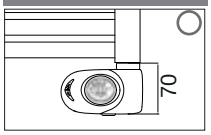
The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP 2018

All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%.
The seasonal energy efficiency of ambient heating (η_s) is expressed with the ratio between the demand of ambient heating supplied by a heating appliance and the annual energy consumption required to meet this demand, expressed as percentage.
The Cordivari ErP is in line with the new Ecodesign directives, which are characterized by a great efficiency combined with the maximum attention to energy saving. In particular the radiators are at least equipped with: electronic temperature control; open window sensor; weekly program timer.
Thanks to the new fully programmable digital thermostats and sensors present on the radiators, now the new Cordivari ErP electric radiators, heat, efficiency and energy saving are the best allies of your comfort.



DIGITAL THERMOSTAT
ECO



The general footprint has to be calculated considering the thermostat height

GLORIA 22 ELECTRIC

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
790	430	3581666100011	400	10
1150	580	3581666100012	700	17
1500	580	3581666100013	900	22
1750	580	3581666100014	1200	25

Technical specification of thermostat see page 547

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.



GLORIA 22 CHROMED ELECTRIC

page 76

EUROPEAN **WARRANTY**

MATERIAL:
• Vertical collectors in chromed mild steel ø 30 mm.
• Horizontal heating elements in chromed mild steel ø 22 mm.
• Glycolate water.

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

FINISHING:
CHROMED (PLATED IN ITALY).

ACCESSORIES:
See page 528

Electrical only:	☑ With ECO digital thermostat (1200 mm wire lenght with Schuko plug)

Class protection: CLASS 1	Minimum ingress protection: IP 44	Power supply: 230 V - 50 Hz

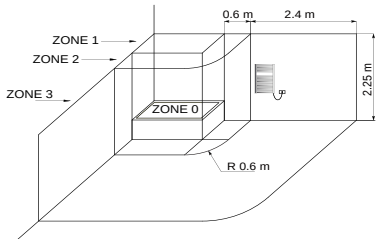
Seasonal energy efficiency η_s: 38% with ECO digital thermostat

CERTIFICATIONS

CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

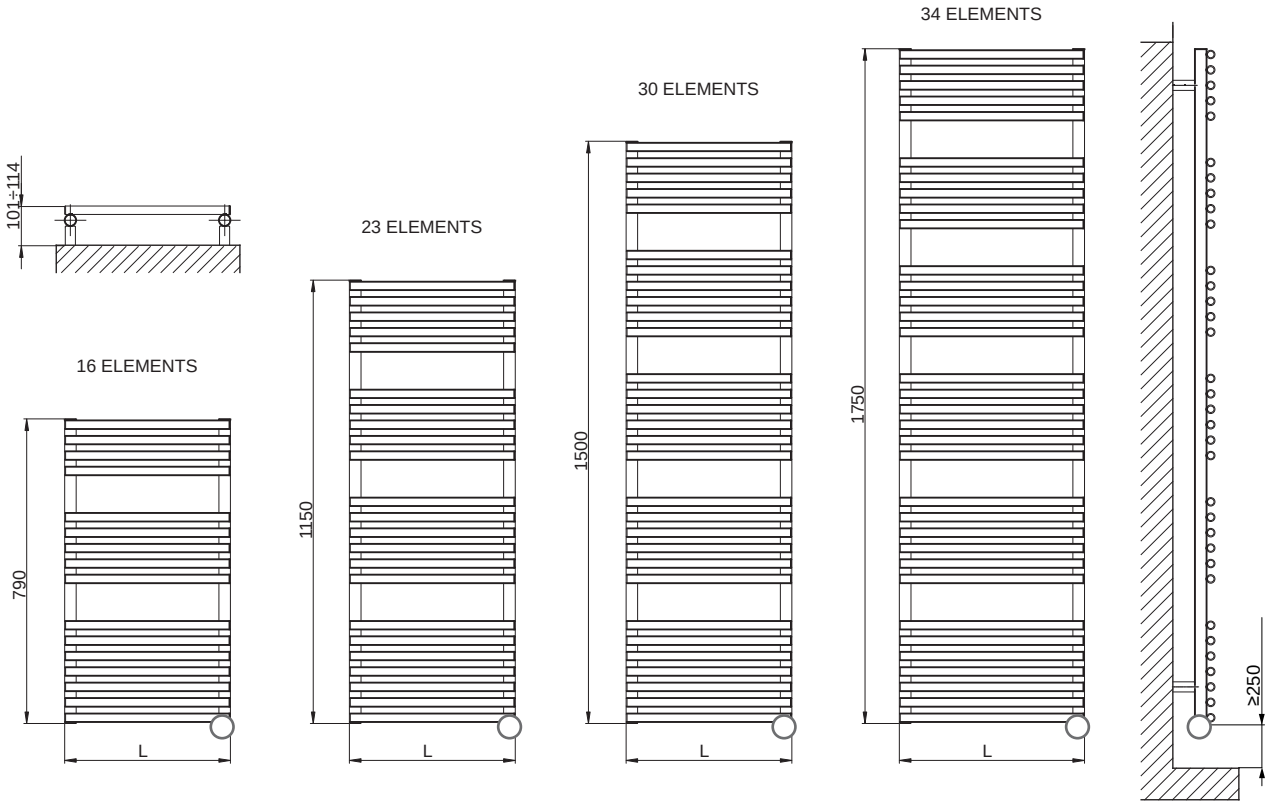
HOW TO PLACE ELECTRIC RADIATORS



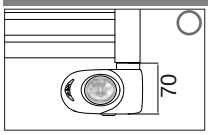
The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP 2018

All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%.
The seasonal energy efficiency of ambient heating (η_s) is expressed with the ratio between the demand of ambient heating supplied by a heating appliance and the annual energy consumption required to meet this demand, expressed as percentage.
The Cordivari ErP is in line with the new Ecodesign directives, which are characterized by a great efficiency combined with the maximum attention to energy saving. In particular the radiators are at least equipped with: electronic temperature control; open window sensor; weekly program timer.
Thanks to the new fully programmable digital thermostats and sensors present on the radiators, now the new Cordivari ErP electric radiators, heat, efficiency and energy saving are the best allies of your comfort.



DIGITAL THERMOSTAT
ECO



The general footprint has to be calculated considering the thermostat height

GLORIA 22 CHROMED ELECTRIC

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
790	430	3581666110011	300	10
1150	580	3581666110012	600	17
1500	580	3581666110013	700	22
1750	580	3581666110014	900	25

Technical specification of thermostat see page 547



DORY ELECTRIC

page 84

EUROPEAN **WARRANTY**

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Horizontal heating elements in painted mild steel 50 x 10 mm.
• Glycolate water.

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Electrical only:	☑ With PLUS digital thermostat (800 mm wire lenght - with Schuko plug)	☑ With ECO digital thermostat (1200 mm wire lenght - with Schuko plug)

Class protection: CLASS 1	Minimum ingress protection: IP 44	Power supply: 230 V - 50 Hz

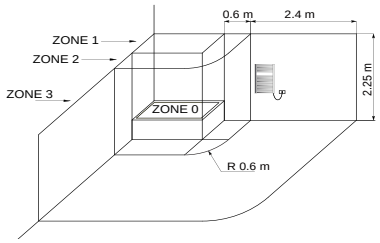
Seasonal energy efficiency η_s: 39% with PLUS digital thermostat	Seasonal energy efficiency η_s: 38% with ECO digital thermostat

CERTIFICATIONS

CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%.
The seasonal energy efficiency of ambient heating (η_s) is expressed with the ratio between the demand of ambient heating supplied by a heating appliance and the annual energy consumption required to meet this demand, expressed as percentage.
The Cordivari ErP is in line with the new Ecodesign directives, which are characterized by a great efficiency combined with the maximum attention to energy saving. In particular the radiators are at least equipped with: electronic temperature control; open window sensor; weekly program timer.
Thanks to the new fully programmable digital thermostats and sensors present on the radiators, now the new Cordivari ErP electric radiators, heat, efficiency and energy saving are the best allies of your comfort.

INCLUDED



Remote control of PLUS digital chrono-thermostat

Remote control of PLUS digital chrono-thermostat funtioning

ACCESSORIES



Kit 2 hooks painted mild steel - white R01

Art. nr. 5991990310389

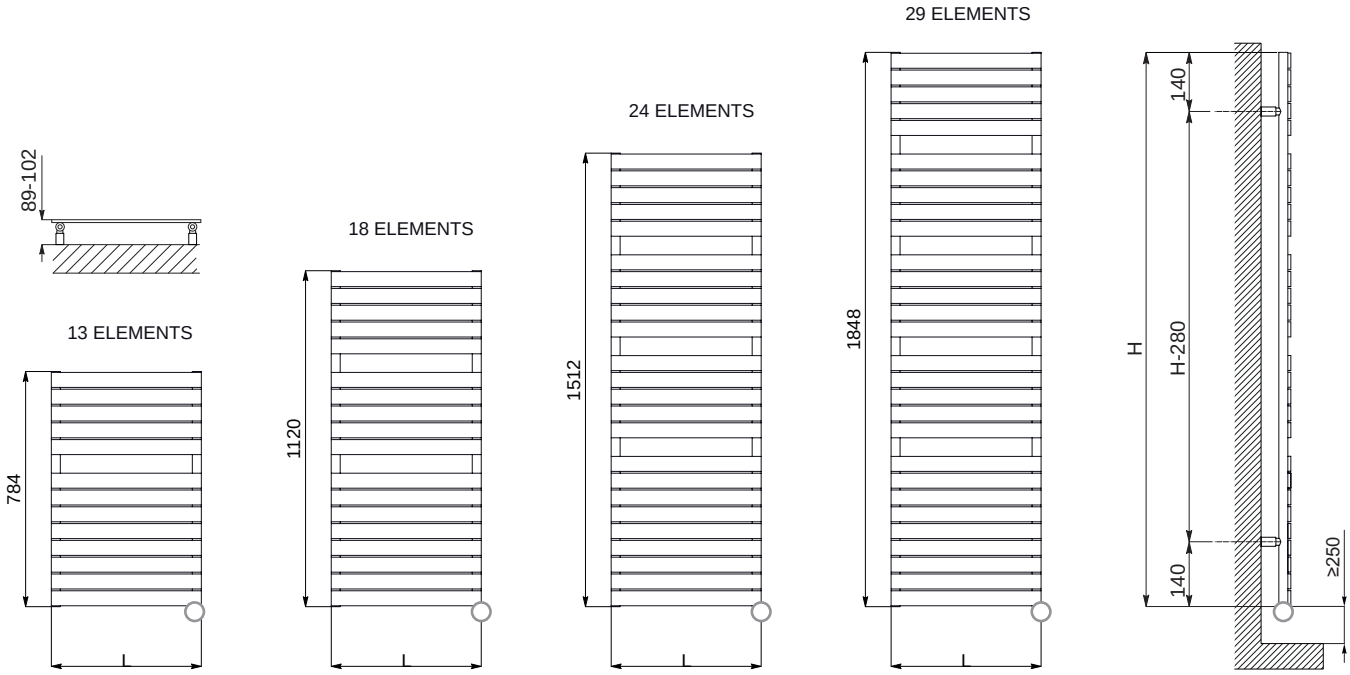


Towel bar painted mild steel-white R01

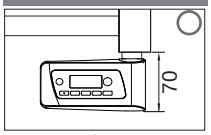
Art. nr. 5991990331127

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



DIGITAL THERMOSTAT
PLUS



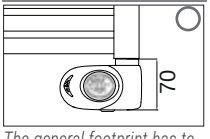
The general footprint has to be calculated considering the thermostat height

DORY ELECTRIC (remote control included)

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
784	500	3581426100640	500	15
1120	500	3581426100641	700	21
1512	500	3581426100642	900	28
1848	600	3581426100643	1200	38

Technical specification of thermostat see page 547

DIGITAL THERMOSTAT
ECO



The general footprint has to be calculated considering the thermostat height

DORY ELECTRIC

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
784	500	3581426100301	500	15
1120	500	3581426100302	700	21
1512	500	3581426100303	900	28
1848	600	3581426100304	1200	38

Technical specification of thermostat see page 547

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.



KELLY FLAT DX ELECTRIC

page 97

EUROPEAN **WARRANTY**

MATERIAL:
• Vertical collectors in painted mild steel ø 38 mm.
• Horizontal heating elements in painted mild steel 50 x 10 mm.
• Glycolate water.

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Electrical only:	☑ With PLUS digital thermostat (800 mm wire lenght - with Schuko plug)	☑ With ECO digital thermostat (1200 mm wire lenght - with Schuko plug)

Class protection: CLASS 1	Minimum ingress protection: IP 44	Power supply: 230 V - 50 Hz

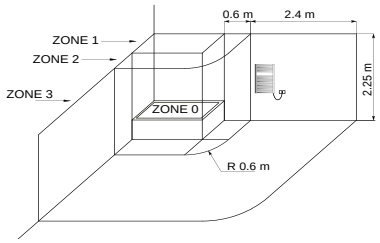
Seasonal energy efficiency η_s: 39% with PLUS digital thermostat	Seasonal energy efficiency η_s: 38% with ECO digital thermostat

CERTIFICATIONS

CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP 2018

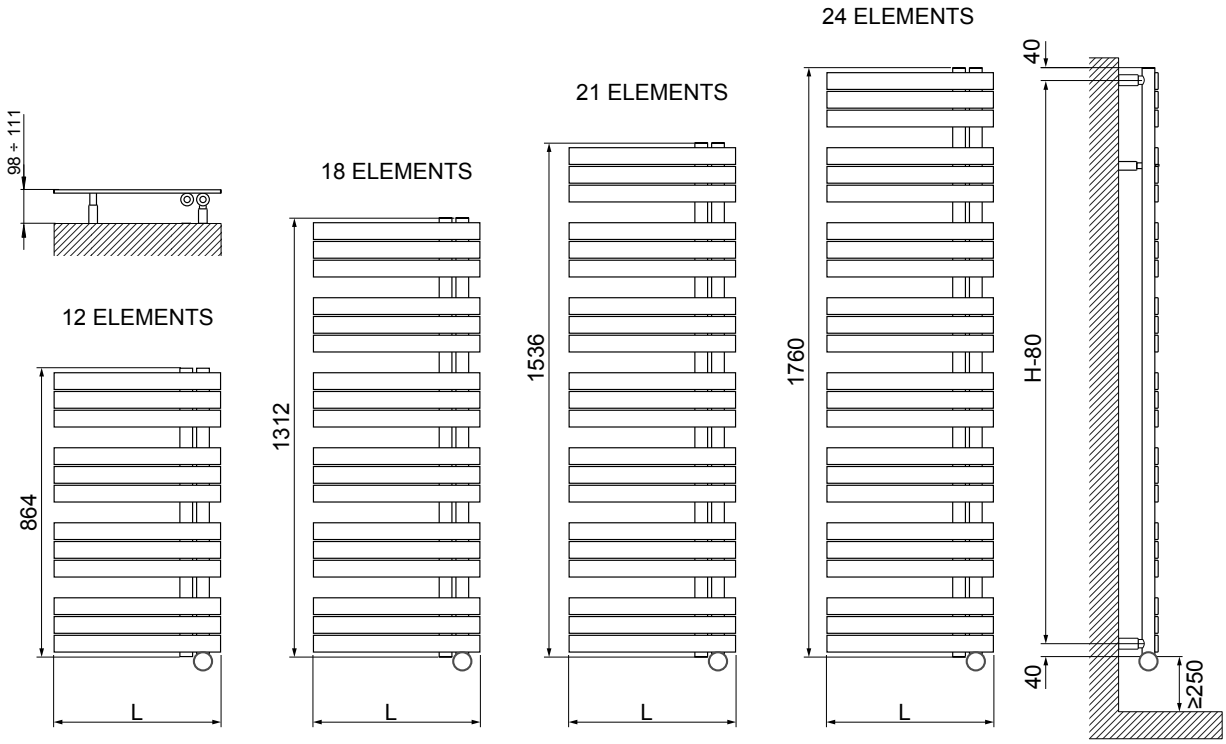
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The seasonal energy efficiency of ambient heating (η_s) is expressed with the ratio between the demand of ambient heating supplied by a heating appliance and the annual energy consumption required to meet this demand, expressed as percentage.
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Thanks to the new fully programmable digital thermostats and sensors present on the radiators, now the new Cordivari ErP electric radiators, heat, efficiency and energy saving are the best allies of your comfort.

INCLUDED

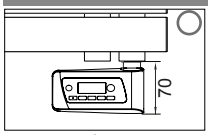


Remote control of PLUS digital chrono-thermostat

Remote control of PLUS digital chrono-thermostat funtioning



DIGITAL THERMOSTAT
PLUS



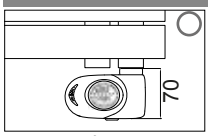
The general footprint has to be calculated considering the thermostat height

KELLY FLAT DX ELECTRIC (remote control included)

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
864	500	3581726100190	500	13
	600	3581726100191	600	15
1312	500	3581726100192	700	19
1536	500	3581726100194	900	23
1760	600	3581726100197	1200	26

Technical specification of thermostat see page 547

DIGITAL THERMOSTAT
ECO



The general footprint has to be calculated considering the thermostat height

KELLY FLAT DX ELECTRIC

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
864	500	3581726100171	500	13
	600	3581726100172	600	15
1312	500	3581726100173	700	19
1536	500	3581726100175	900	23
1760	600	3581726100178	1200	26

Technical specification of thermostat see page 547

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.



KELLY FLAT SX ELECTRIC

page 96

EUROPEAN **WARRANTY**

MATERIAL:
• Vertical collectors in painted mild steel ø 38 mm.
• Horizontal heating elements in painted mild steel 50x10 mm.
• Glycolate water.

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Electrical only:	☑ With PLUS digital thermostat (800 mm wire lenght - with Schuko plug)	☑ With ECO digital thermostat (1200 mm wire lenght - with Schuko plug)

Class protection: CLASS 1	Minimum ingress protection: IP 44	Power supply: 230 V - 50 Hz

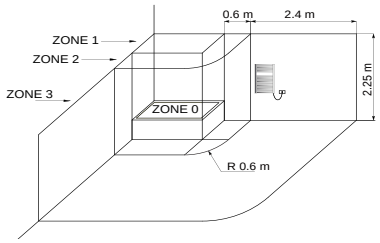
Seasonal energy efficiency η_s: 39% with PLUS digital thermostat	Seasonal energy efficiency η_s: 38% with ECO digital thermostat

CERTIFICATIONS

CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP 2018

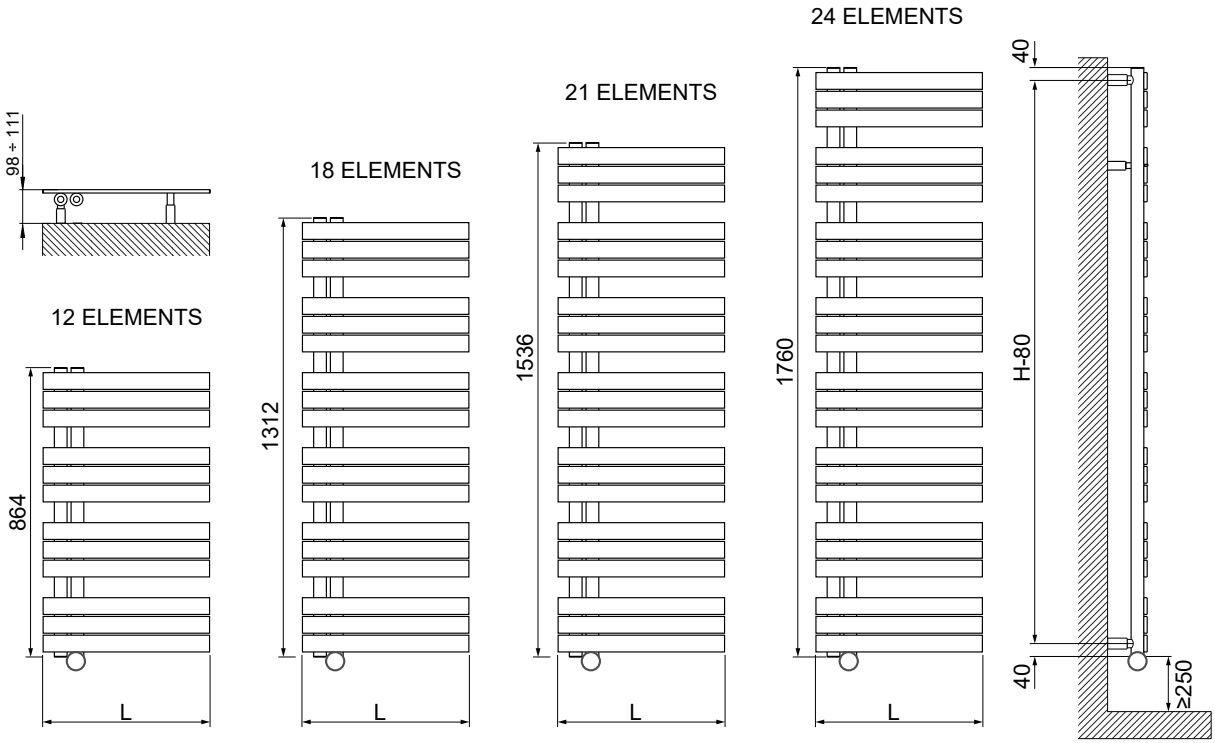
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Thanks to the new fully programmable digital thermostats and sensors present on the radiators, now the new Cordivari ErP electric radiators, heat, efficiency and energy saving are the best allies of your comfort.

INCLUDED

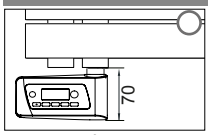


Remote control of PLUS digital chrono-thermostat

Remote control of PLUS digital chrono-thermostat funtioning



DIGITAL THERMOSTAT
PLUS



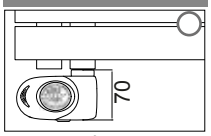
The general footprint has to be calculated considering the thermostat height

KELLY FLAT SX ELECTRIC (remote control included)

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
864	500	3581726100198	500	13
	600	3581726100199	600	15
1312	500	3581726100200	700	19
1536	500	3581726100202	900	23
1760	600	3581726100205	1200	26

Technical specification of thermostat see page 547

DIGITAL THERMOSTAT
ECO



The general footprint has to be calculated considering the thermostat height

KELLY FLAT SX ELECTRIC

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
864	500	3581726100181	500	13
	600	3581726100182	600	15
1312	500	3581726100183	700	19
1536	500	3581726100185	900	23
1760	600	3581726100188	1200	26

Technical specification of thermostat see page 547

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.



ELEN 18 ELECTRIC
POLISHED STAINLESS STEEL

page 116

EUROPEAN **WARRANTY**

MATERIAL:
- Vertical collectors in polished stainless steel ø 38 mm.
- Horizontal elements in polished stainless steel ø 18 mm.
- Glycolate water.

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

ACCESSORIES:
See page 528

Electrical only:	☑ With TOP digital thermostat (1200 mm wire lenght with Schuko plug)

Class protection: CLASS 1	Minimum ingress protection: IP 44	Power supply: 230 V - 50 Hz

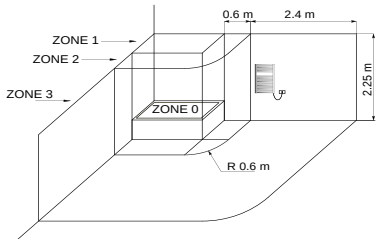
Seasonal energy efficiency η_s: 39% with TOP digital thermostat

CERTIFICATIONS

CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP 2018

All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%.
The seasonal energy efficiency of ambient heating (η_s) is expressed with the ratio between the demand of ambient heating supplied by a heating appliance and the annual energy consumption required to meet this demand, expressed as percentage.
The Cordivari ErP is in line with the new Ecodesign directives, which are characterized by a great efficiency combined with the maximum attention to energy saving. In particular the radiators are at least equipped with: electronic temperature control; open window sensor; weekly program timer.
Thanks to the new fully programmable digital thermostats and sensors present on the radiators, now the new Cordivari ErP electric radiators, heat, efficiency and energy saving are the best allies of your comfort.

INCLUDED



Remote control of TOP digital chrono-thermostat

Remote control of TOP digital chrono-thermostat funtioning

ACCESSORIES



Kit 2 hooks-polished stainless steel

Art. nr. 5991990010216

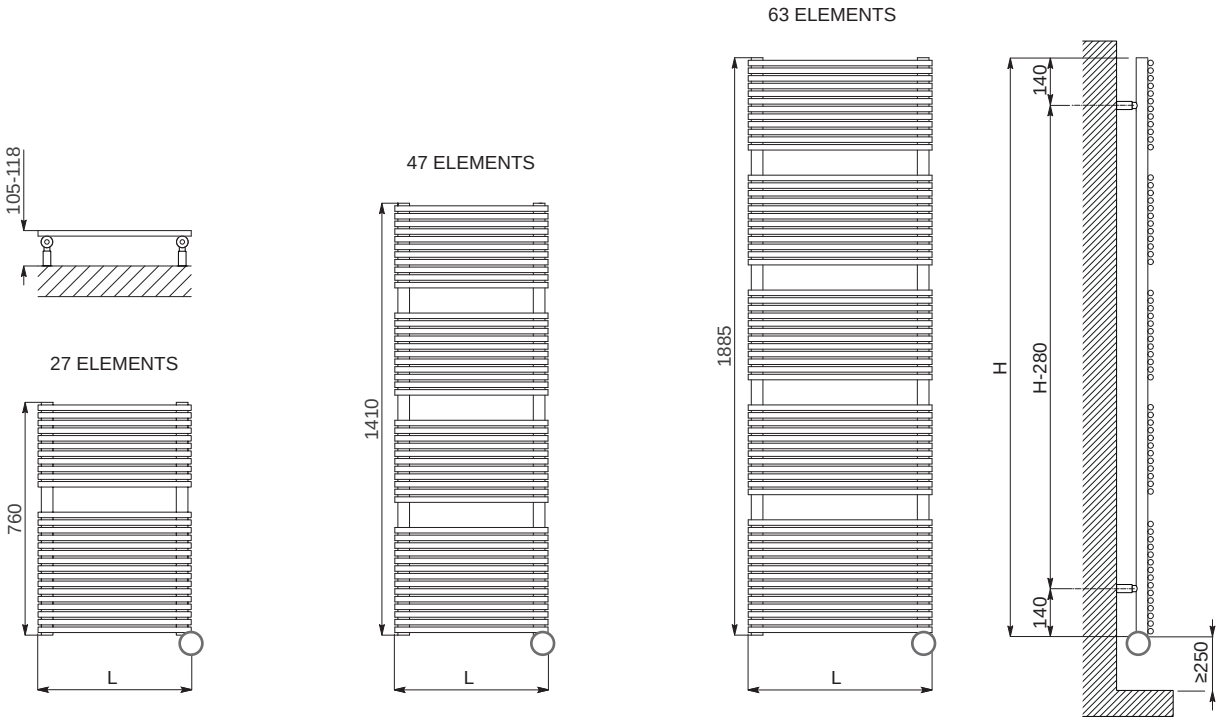


Towel bar-polished stainless steel

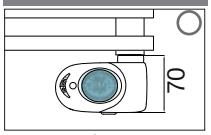
WIDTH 440 mm

Art. nr. 5991990010221

Accessories and spare parts - see from page 528



DIGITAL THERMOSTAT
TOP



The general footprint has to be calculated considering the thermostat height

ELEN 18 ELECTRIC - POLISHED STAINLESS STEEL (remote control included)

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
760	500	3581440400041	400	14,0
1410	500	3581440400042	700	24,0
1885	600	3581440400043	900	32,0

Technical specification of thermostat see page 547



SANDY ELECTRIC
POLISHED STAINLESS STEEL

page 126

EUROPEAN **WARRANTY**

MATERIAL:
- Vertical collectors in polished stainless steel ø 38 mm.
- Horizontal elements in polished stainless steel ø 25 mm.
- Glycolate water.

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

ACCESSORIES:
See page 528

Electrical only:	☑ With TOP digital thermostat (1200 mm wire lenght with Schuko plug)

Class protection: CLASS 1	Minimum ingress protection: IP 44	Power supply: 230 V - 50 Hz

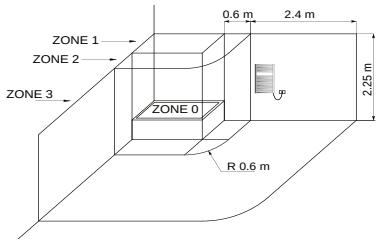
Seasonal energy efficiency η_s: 39% with TOP digital thermostat

CERTIFICATIONS

CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP 2018

All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%.
The seasonal energy efficiency of ambient heating (η_s) is expressed with the ratio between the demand of ambient heating supplied by a heating appliance and the annual energy consumption required to meet this demand, expressed as percentage.
The Cordivari ErP is in line with the new Ecodesign directives, which are characterized by a great efficiency combined with the maximum attention to energy saving. In particular the radiators are at least equipped with: electronic temperature control; open window sensor; weekly program timer.
Thanks to the new fully programmable digital thermostats and sensors present on the radiators, now the new Cordivari ErP electric radiators, heat, efficiency and energy saving are the best allies of your comfort.

INCLUDED



Remote control of TOP digital chrono-thermostat

Remote control of TOP digital chrono-thermostat funtioning

ACCESSORIES



Kit 2 hooks-polished stainless steel

Art. nr. 5991990010215

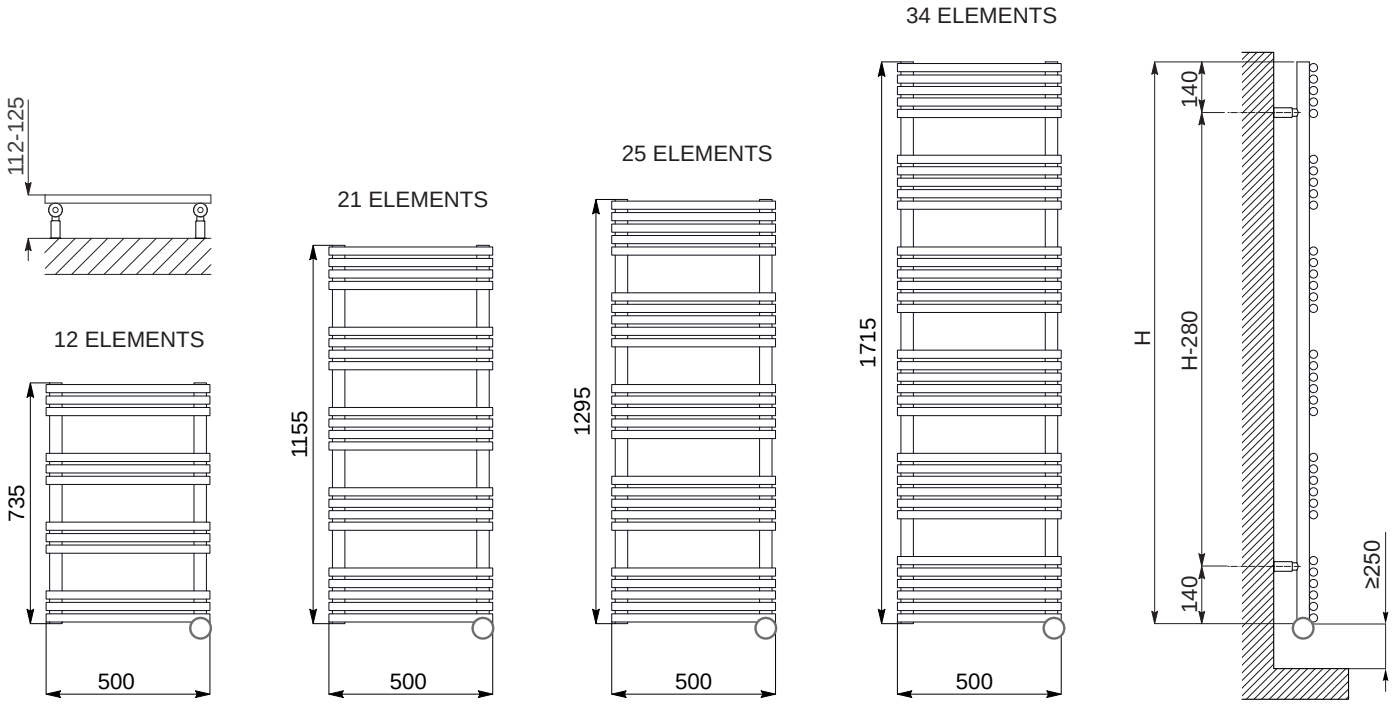


WIDTH 350 mm

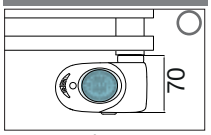
Towel bar-polished stainless steel

Art. nr. 5991990010220

Accessories and spare parts - see from page 528



DIGITAL THERMOSTAT
TOP



The general footprint has to be calculated considering the thermostat height

SANDY ELECTRIC - POLISHED STAINLESS STEEL (remote control included)

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
735	500	3581440402012	300	11,0
1155	500	3581440402013	400	18,0
1295	500	3581440402014	600	21,0
1715	500	3581440402015	700	28,0

Technical specification of thermostat see page 547



LEILA ELECTRIC
POLISHED STAINLESS STEEL

page 130

EUROPEAN **WARRANTY**

MATERIAL:
- Vertical collectors in polished stainless steel ø 30 mm.
- Horizontal elements in polished stainless steel ø 18 mm.
- Glycolate water.

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

ACCESSORIES:
See page 528

Electrical only:	☑ With TOP digital thermostat (1200 mm wire lenght with Schuko plug)

Class protection: CLASS 1	Minimum ingress protection: IP 44	Power supply: 230 V - 50 Hz

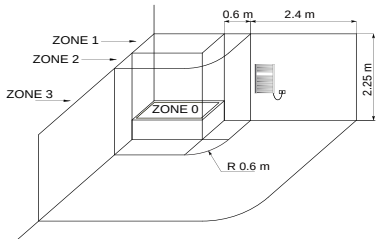
Seasonal energy efficiency η_s: 39% with TOP digital thermostat

CERTIFICATIONS

CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP 2018

All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%.
The seasonal energy efficiency of ambient heating (η_s) is expressed with the ratio between the demand of ambient heating supplied by a heating appliance and the annual energy consumption required to meet this demand, expressed as percentage.
The Cordivari ErP is in line with the new Ecodesign directives, which are characterized by a great efficiency combined with the maximum attention to energy saving. In particular the radiators are at least equipped with: electronic temperature control; open window sensor; weekly program timer.
Thanks to the new fully programmable digital thermostats and sensors present on the radiators, now the new Cordivari ErP electric radiators, heat, efficiency and energy saving are the best allies of your comfort.

INCLUDED



Remote control of TOP digital chrono-thermostat

Remote control of TOP digital chrono-thermostat funtioning

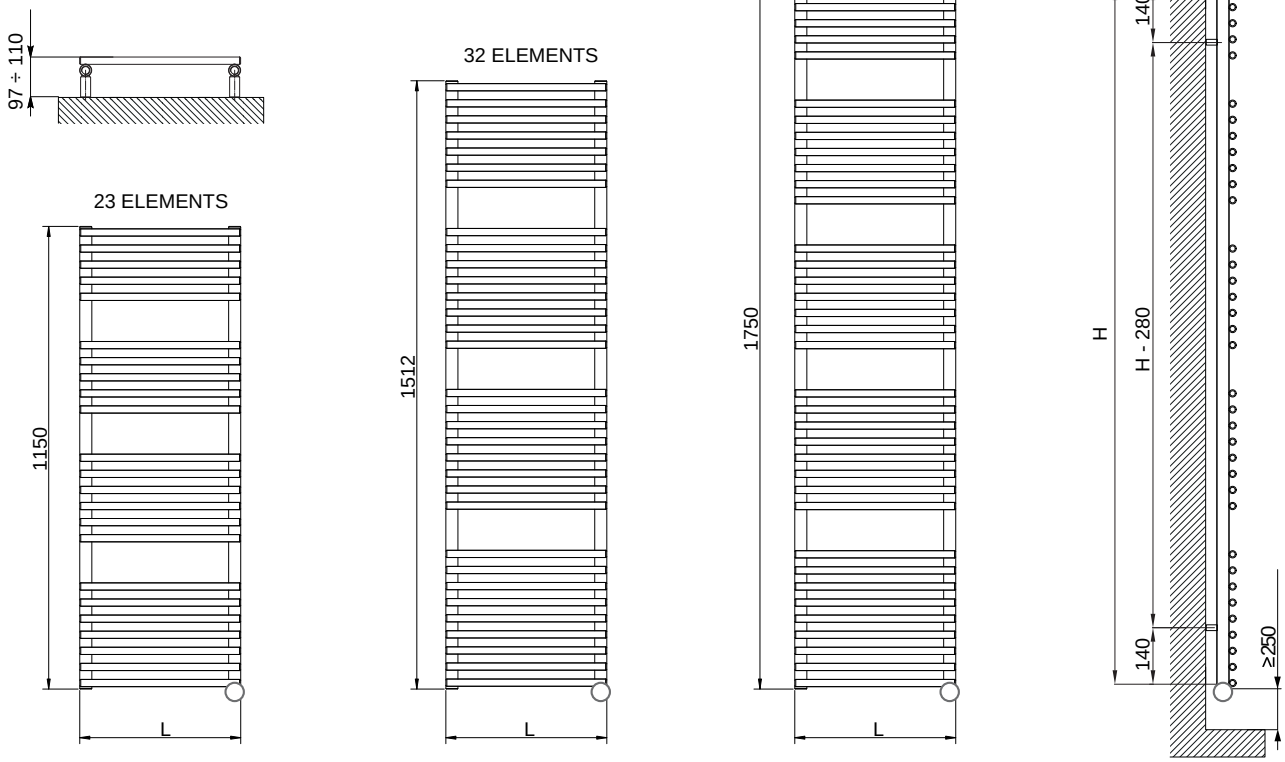
ACCESSORIES



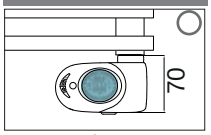
Stendibiancheria salvaspazio in plexiglass e acciaio reclinabile

WIDTH L	Art. nr.	L
370 mm	5991990310402	≤ 500 mm

Accessories and spare parts - see from page 528



DIGITAL THERMOSTAT
TOP



The general footprint has to be calculated considering the thermostat height

LEILA ELECTRIC - POLISHED STAINLESS STEEL (remote control included)

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
1150	500	3581560400001	300	13,0
1512	500	3581560400002	500	18,0
1750	500	3581560400003	600	21,0

Technical specification of thermostat see page 547



STEFANIA ELECTRIC
POLISHED STAINLESS STEEL

page 132

EUROPEAN **WARRANTY**

MATERIAL:
- Vertical collectors in polished stainless steel ø 30 mm.
- Horizontal elements in polished stainless steel 30 x 10 mm.
- Glycolate water.

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

ACCESSORIES:
See page 528

Electrical only:	☑ With TOP digital thermostat (1200 mm wire lenght with Schuko plug)

Class protection: CLASS 1	Minimum ingress protection: IP 44	Power supply: 230 V - 50 Hz

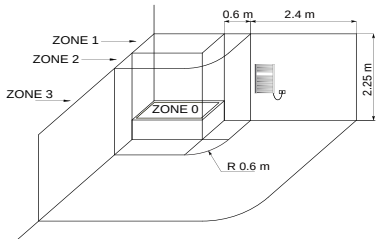
Seasonal energy efficiency η_s: 39% with TOP digital thermostat

CERTIFICATIONS

CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP 2018

All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%.
The seasonal energy efficiency of ambient heating (η_s) is expressed with the ratio between the demand of ambient heating supplied by a heating appliance and the annual energy consumption required to meet this demand, expressed as percentage.
The Cordivari ErP is in line with the new Ecodesign directives, which are characterized by a great efficiency combined with the maximum attention to energy saving. In particular the radiators are at least equipped with: electronic temperature control; open window sensor; weekly program timer.
Thanks to the new fully programmable digital thermostats and sensors present on the radiators, now the new Cordivari ErP electric radiators, heat, efficiency and energy saving are the best allies of your comfort.

INCLUDED



Remote control of TOP digital chrono-thermostat

Remote control of TOP digital chrono-thermostat funtioning

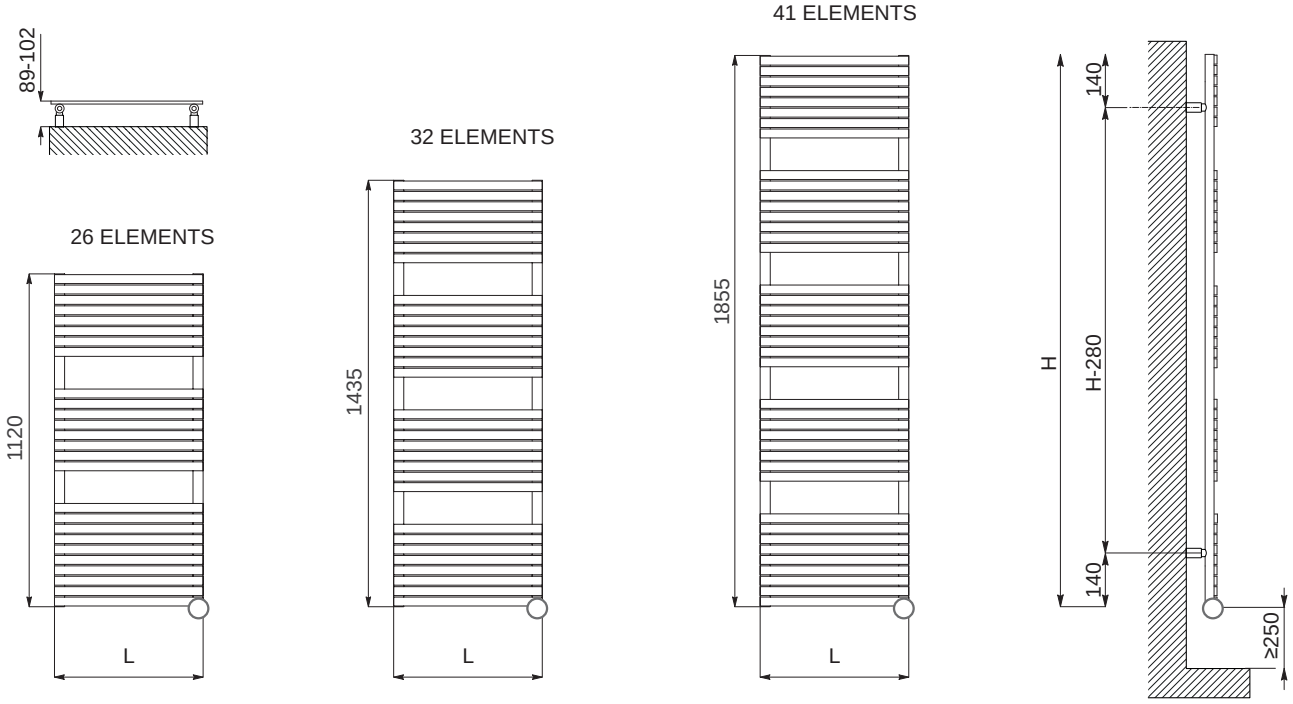
ACCESSORIES



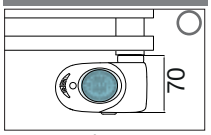
Kit 2 hooks-polished stainless steel

Art. nr. 5991990010218

Accessories and spare parts - see from page 528



DIGITAL THERMOSTAT
TOP



The general footprint has to be calculated considering the thermostat height

STEFANIA ELECTRIC - POLISHED STAINLESS STEEL (remote control included)

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
1120	500	3581610401112	400	18,0
1435	500	3581610401113	500	22,0
1855	600	3581610401114	700	32,0

Technical specification of thermostat see page 547



ALESSANDRA ELECTRIC
POLISHED STAINLESS STEEL

page 137

EUROPEAN
WARRANTY

MATERIAL:
• Vertical collectors in polished stainless steel ø 30 mm.
• Horizontal elements in polished stainless steel 30 x10 mm.
• Glycolate water.

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The towel rail is protected by recyclable carton box. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

ACCESSORIES:
See page 528

Electrical only:	☑ Simple heater with cable cover (wire for direct wall fixed outlet)	☑ Manual ON/OFF (1200 mm wire lenght with Schuko plug)

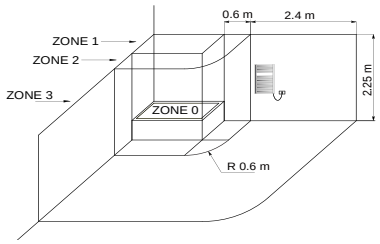
Class protection: CLASS 1	Minimum ingress protection: IP 54

CERTIFICATIONS

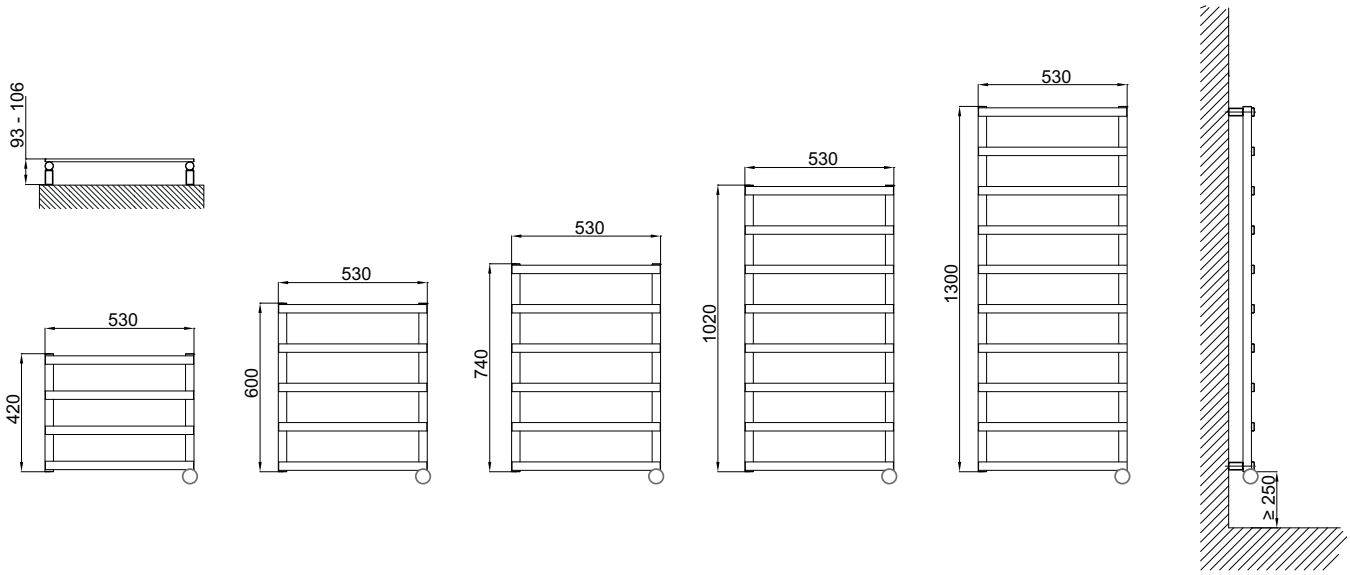
CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

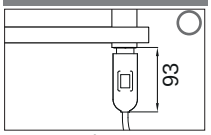
HOW TO PLACE ELECTRIC TOWEL RAILS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric towel rail must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.



MANUAL ON/OFF



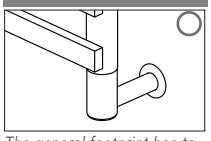
The general footprint has to be calculated considering the resistance cap height

ALESSANDRA ELECTRIC - POLISHED STAINLESS STEEL

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
420	530	3581680400001	150	3,3
600	530	3581680400002	150	4,4
740	530	3581680400003	150	5,0
1020	530	3581680400004	150	5,9
1300	530	3581680400005	150	6,7

NEW

SIMPLE HEATER WITH CABLE COVER



The general footprint has to be calculated considering the resistance cap height

ALESSANDRA ELECTRIC - POLISHED STAINLESS STEEL (SIMPLE HEATER WITH CABLE COVER)

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
420	530	3581680400011	150	3,3
600	530	3581680400012	150	4,4
740	530	3581680400013	150	5,0
1020	530	3581680400014	150	5,9
1300	530	3581680400015	150	6,7



LAURA ELECTRIC
POLISHED STAINLESS STEEL

page 142

EUROPEAN
WARRANTY

MATERIAL:
• Vertical collectors in polished stainless steel ø 30 mm.
• Horizontal elements in polished stainless steel ø 25 mm.
• Glycolate water.

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The towel rail is protected by recyclable carton box. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

ACCESSORIES:
See page 528

Electrical only:	☑ Simple heater with cable cover (wire for direct wall fixed outlet)	☑ Manual ON/OFF (1200 mm wire lenght with Schuko plug)

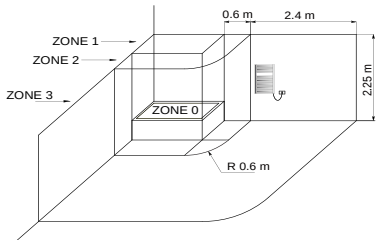
Class protection: CLASS 1	Minimum ingress protection: IP 54

CERTIFICATIONS

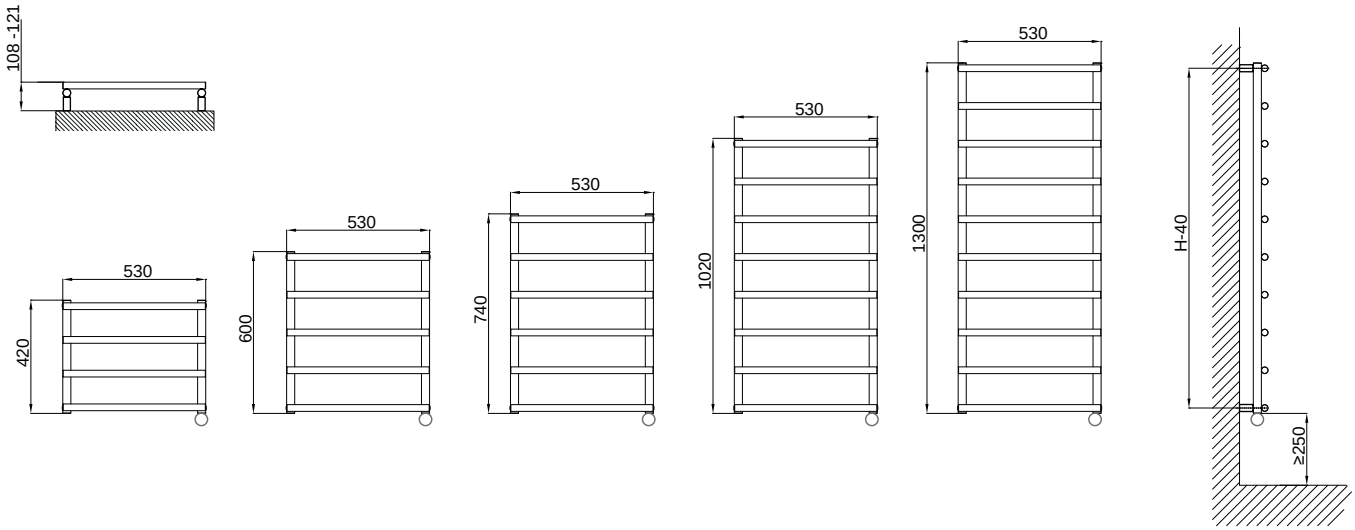
CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

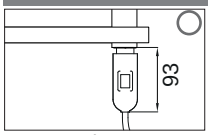
HOW TO PLACE ELECTRIC TOWEL RAILS



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In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.



MANUAL ON/OFF



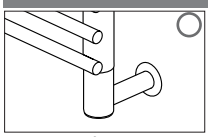
The general footprint has to be calculated considering the resistance cap height

LAURA ELECTRIC - POLISHED STAINLESS STEEL

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
420	530	3581570400001	150	4,40
600	530	3581570400002	150	5,60
740	530	3581570400003	150	6,60
1020	530	3581570400004	150	8,7
1300	530	3581570400005	150	10,9

NEW

SIMPLE HEATER WITH CABLE COVER



The general footprint has to be calculated considering the resistance cap height

LAURA ELECTRIC - POLISHED STAINLESS STEEL (SIMPLE HEATER WITH CABLE COVER)

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
420	530	3581570400011	150	4,40
600	530	3581570400012	150	5,60
740	530	3581570400013	150	6,60
1020	530	3581570400014	150	8,7
1300	530	3581570400015	150	10,9



CLAUDIA® BLOWER

page 42

EUROPEAN **WARRANTY**

MATERIAL:
• Vertical collectors in painted mild steel semi oval 30 x 40 mm.
• Horizontal heating elements in painted mild steel ø 25 mm.
• Glycolate water.

ELECTRIC MODULE FOR VENTILATED FUNCTION:
Power 1000 Watt - 230 V 50 Hz • On / Off Switch • Temperature settings: +10°C to + 30°C

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Electrical only:	☑ With BLOWER electric module for the ventilated function	Seasonal energy efficiency η_s: 40%

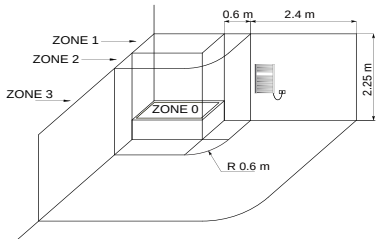
Class protection: CLASS 2	Minimum ingress protection: IP 24	Wire lenght: 800 mm with Schuko plug

CERTIFICATIONS

CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP 2018

All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%.
The seasonal energy efficiency of ambient heating (η_s) is expressed with the ratio between the demand of ambient heating supplied by a heating appliance and the annual energy consumption required to meet this demand, expressed as percentage.
The Cordivari ErP is in line with the new Ecodesign directives, which are characterized by a great efficiency combined with the maximum attention to energy saving. In particular the radiators are at least equipped with: electronic temperature control; open window sensor; weekly program timer.
Thanks to the new fully programmable digital thermostats and sensors present on the radiators, now the new Cordivari ErP electric radiators, heat, efficiency and energy saving are the best allies of your comfort.

ACCESSORIES



Wireless remote control

Remote control of "BLOWER" ventilated funtioning

Art. nr. 5150990000011



Kit 2 hooks painted mild steel - white R01

Art. nr. 5991990310028

If ordered separately from the radiator, the accessories are available in standard white only.

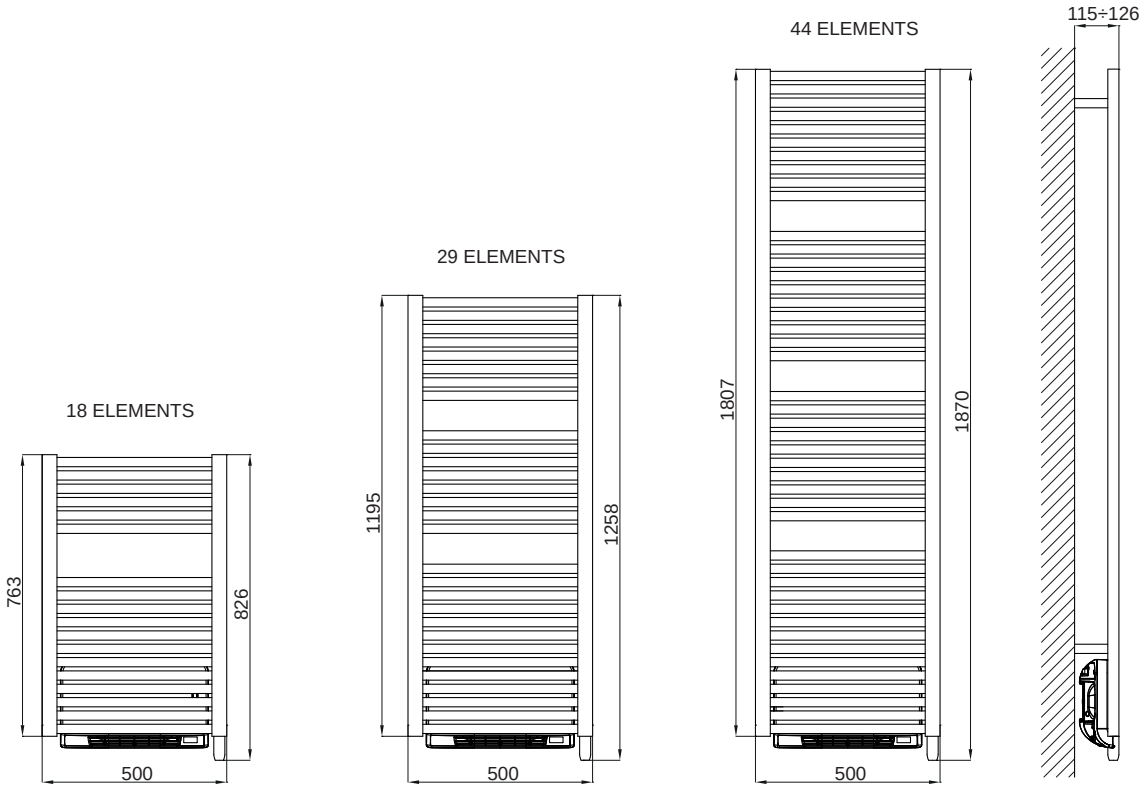


WIDTH 377 mm

Towel bar painted mild steel-white R01

Art. nr.	L
5991990310047	≥ 400 mm
5991990310029	≥ 500 mm
5991990310034	≥ 600 mm
5991990310030	≥ 750 mm

Accessories and spare parts - see from page 528



CLAUDIA® BLOWER

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	BLOWER Output [Watt]	Weight [Kg]
763	500	3581356100083	500	1000	17
1195	500	3581356100084	750	1000	24
1807	500	3581356100085	1000	1000	33



For the radiators manufactured in coloured version different from standard white the "Blower" electric module for ventilated function is provided in grey finishing.

ELECTRIC MODULE FOR THE VENTILATED FUNCTION:

- Ultra-discreet : Once integrated, the controller at the back of the heating body is aesthetically invisible
- Excellent ergonomic settings
- "Smart" electronic control : this means stable and accurate temperature in the bathroom all year round
- Energy Saving Pack
- Super comfort feature (automatic Boost): additional instantaneous heating, the hot air blower enables automatic and swift room temperature increase, after an Eco, Frost protection or Standby period
- Minimal thickness behind the towel rail
- Active memory: clock and settings are saved by EEPROM in case the mains power supply goes off

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.



CLAUDIA® BLOWER
DUAL ENERGY

page 43

EUROPEAN **WARRANTY**

NEW

MATERIAL:
• Vertical collectors in painted mild steel semi oval 30 x 40 mm.
• Horizontal heating elements in painted mild steel ø 25 mm.

ELECTRIC MODULE FOR VENTILATED FUNCTION:
Power 1000 Watt - 230 V 50 Hz • On / Off Switch • Temperature settings: +10°C to + 30°C

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water	Minimum ingress protection: IP 24	☑ Dual energy (With BLOWER electric module for the ventilated function)

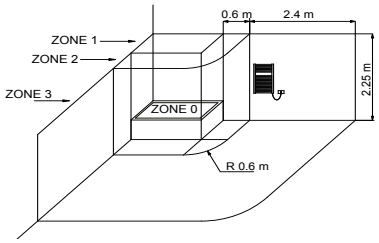
P. Max: 8 bar	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP 2018

All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%.
The seasonal energy efficiency of ambient heating (η_s) is expressed with the ratio between the demand of ambient heating supplied by a heating appliance and the annual energy consumption required to meet this demand, expressed as percentage.
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Thanks to the new fully programmable digital thermostats and sensors present on the radiators, now the new Cordivari ErP electric radiators, heat, efficiency and energy saving are the best allies of your comfort.

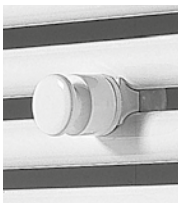
ACCESSORIES



Wireless remote control

Remote control of "BLOWER" ventilated funtioning

Art. nr. 5150990000011



Kit 2 hooks painted mild steel - white R01

Art. nr. 5991990310028

If ordered separately from the radiator, the accessories are available in standard white only.

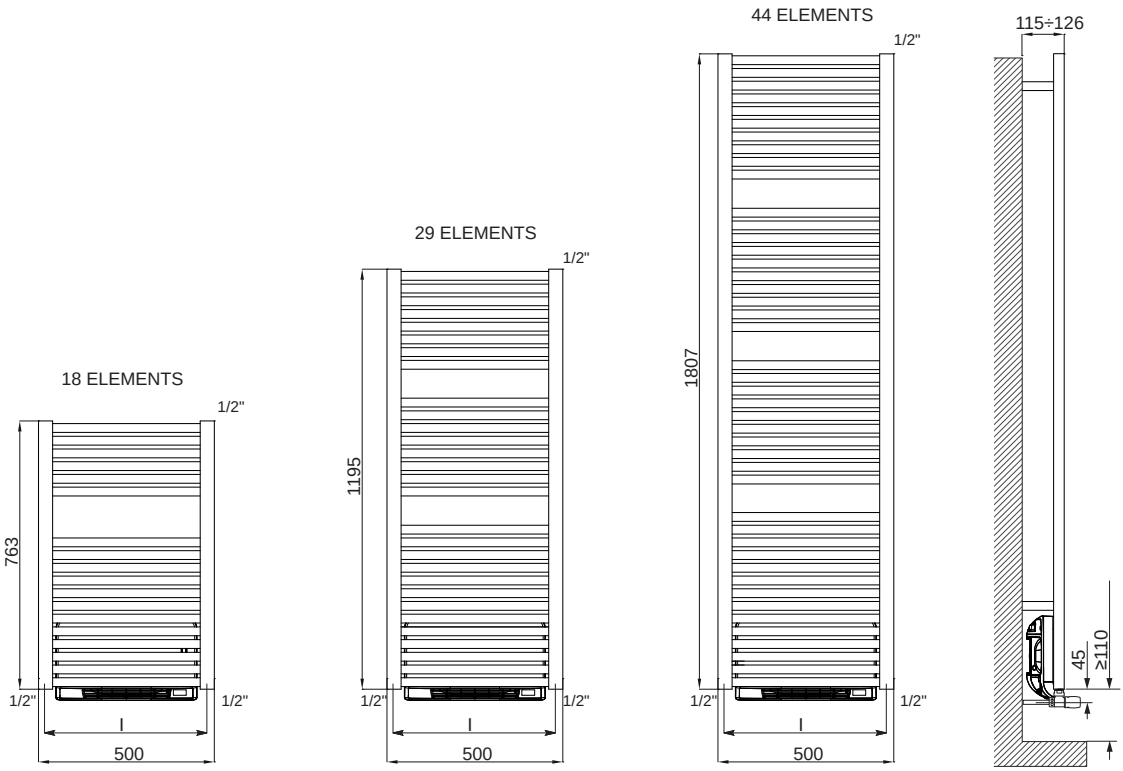


WIDTH 377 mm

Towel bar painted mild steel-white R01

Art. nr.	L
5991990310047	≥ 400 mm
5991990310029	≥ 500 mm
5991990310034	≥ 600 mm
5991990310030	≥ 750 mm

Accessories and spare parts - see from page 528



CLAUDIA® BLOWER DUAL ENERGY

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	BLOWER Output [Watt]
763	500	450	3581356100170	10,1	0,821	4,8	389	206	1,2472	1000
1195	500	450	3581356100171	13,4	1,26	7,4	595	314	1,2488	1000
1807	500	450	3581356100172	18,1	1,91	11,3	907	479	1,2513	1000

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



GLORIA 22 BLOWER

NEW

page 80

EUROPEAN WARRANTY

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Horizontal heating elements in painted mild steel ø 22 mm.
• Glycolate water.

ELECTRIC MODULE FOR VENTILATED FUNCTION:
Power 1000 Watt - 230 V 50 Hz • On / Off Switch • Temperature settings: +10°C to + 30°C

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Electrical only:	☑ With BLOWER electric module for the ventilated function	Seasonal energy efficiency η_s: 40%

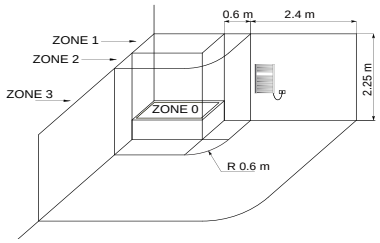
Class protection: CLASS 2	Minimum ingress protection: IP 24	Wire lenght: 800 mm with Schuko plug

CERTIFICATIONS

CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

HOW TO PLACE ELECTRIC RADIATORS



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All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%.
The seasonal energy efficiency of ambient heating (η_s) is expressed with the ratio between the demand of ambient heating supplied by a heating appliance and the annual energy consumption required to meet this demand, expressed as percentage.
The Cordivari ErP is in line with the new Ecodesign directives, which are characterized by a great efficiency combined with the maximum attention to energy saving. In particular the radiators are at least equipped with: electronic temperature control; open window sensor; weekly program timer.
Thanks to the new fully programmable digital thermostats and sensors present on the radiators, now the new Cordivari ErP electric radiators, heat, efficiency and energy saving are the best allies of your comfort.

ACCESSORIES

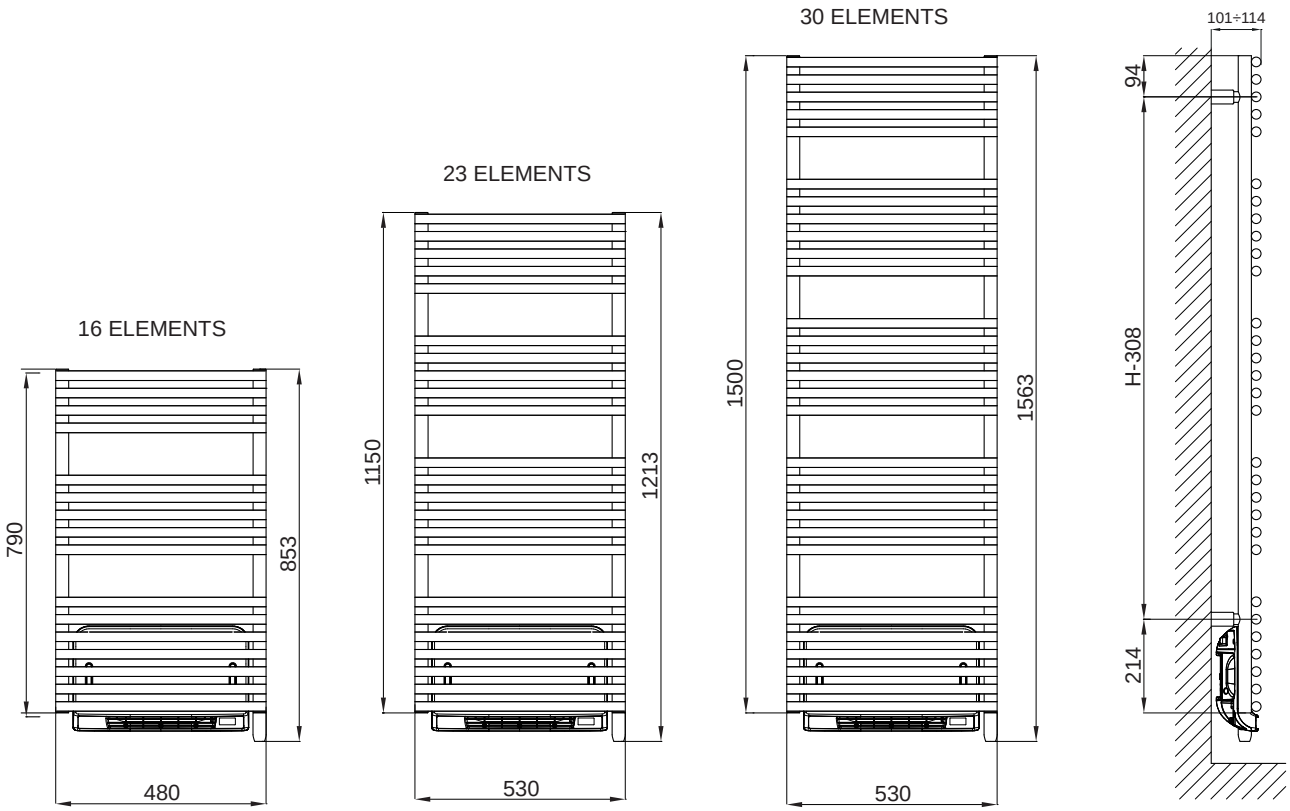


Wireless remote control

Remote control of "BLOWER" ventilated funtioning

Art. nr. 5150990000011

Accessories and spare parts - see from page 528



GLORIA 22 BLOWER

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	BLOWER Output [Watt]	Weight [Kg]
790	480	3581666100020	500	1000	15
1150	530	3581666100021	750	1000	19
1500	530	3581666100022	1000	1000	24



For the radiators manufactured in coloured version different from standard white the "Blower" electric module for ventilated function is provided in grey finishing.

ELECTRIC MODULE FOR THE VENTILATED FUNCTION:

- Ultra-discreet : Once integrated, the controller at the back of the heating body is aesthetically invisible
- Excellent ergonomic settings
- "Smart" electronic control : this means stable and accurate temperature in the bathroom all year round
- Energy Saving Pack
- Super comfort feature (automatic Boost): additional instantaneous heating, the hot air blower enables automatic and swift room temperature increase, after an Eco, Frost protection or Standby period
- Minimal thickness behind the towel rail
- Active memory: clock and settings are saved by EEPROM in case the mains power supply goes off

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.



GLORIA 22 BLOWER
DUAL ENERGY

NEW

page 81

EUROPEAN **WARRANTY**

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Horizontal heating elements in painted mild steel ø 22 mm.

ELECTRIC MODULE FOR VENTILATED FUNCTION:
Power 1000 Watt - 230 V 50 Hz • On / Off Switch • Temperature settings: +10°C to + 30°C

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water	Minimum ingress protection: IP 24	☑ Dual energy (With BLOWER electric module for the ventilated function)

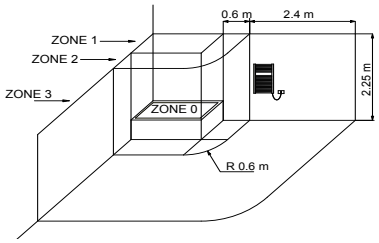
P. Max: 8 bar	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP 2018

All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%.
The seasonal energy efficiency of ambient heating (η_s) is expressed with the ratio between the demand of ambient heating supplied by a heating appliance and the annual energy consumption required to meet this demand, expressed as percentage.
The Cordivari ErP is in line with the new Ecodesign directives, which are characterized by a great efficiency combined with the maximum attention to energy saving. In particular the radiators are at least equipped with: electronic temperature control; open window sensor; weekly program timer.
Thanks to the new fully programmable digital thermostats and sensors present on the radiators, now the new Cordivari ErP electric radiators, heat, efficiency and energy saving are the best allies of your comfort.

ACCESSORIES



Wireless remote control

Remote control of "BLOWER" ventilated funtioning

Art. nr. 5150990000011



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160

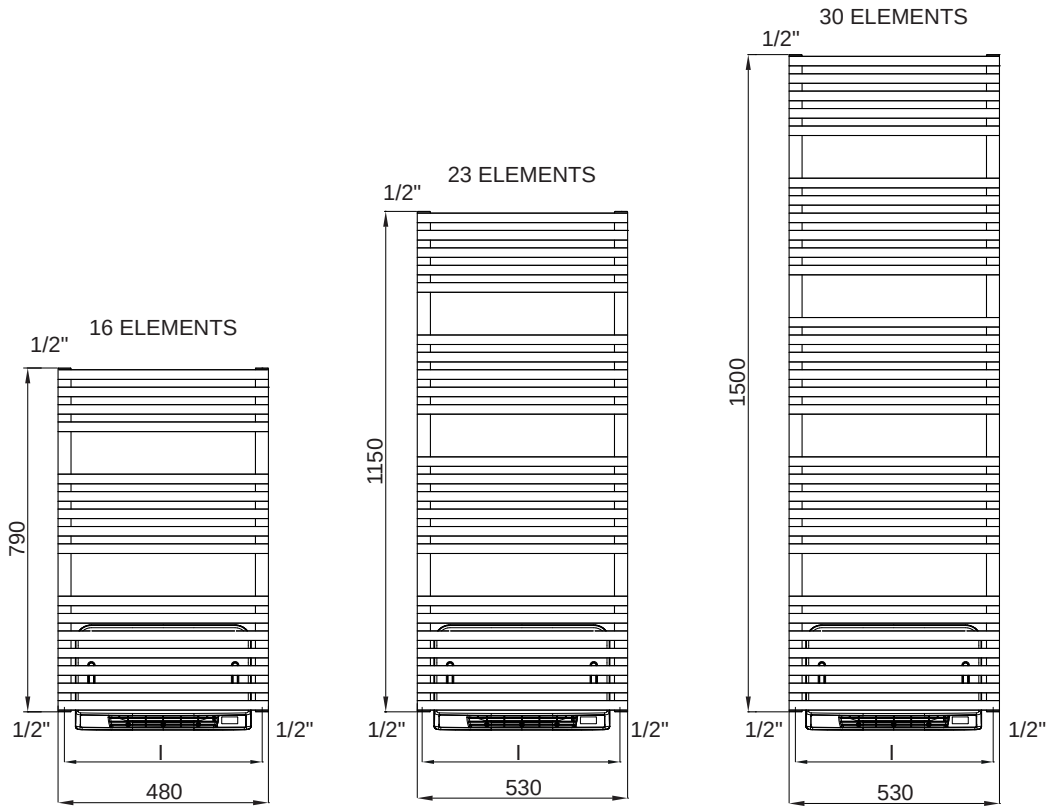


White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



GLORIA 22 BLOWER DUAL ENERGY

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Thermal output [Watt] Δt=30°C	Exp. n	BLOWER Output [Watt]
790	480	450	3581666100030	10,7	0,66	3,1	302	164	1,1941	1000
1150	530	500	3581666100031	14,3	1,03	5	460	247	1,2153	1000
1500	530	500	3581666100032	17,3	1,32	6,5	591	318	1,2157	1000

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



DORY BLOWER

page 86

EUROPEAN
WARRANTY

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Horizontal heating elements in painted mild steel 50 x 10 mm.
• Glycolate water.

ELECTRIC MODULE FOR VENTILATED FUNCTION:
Power 1000 Watt - 230 V 50 Hz • On / Off Switch • Temperature settings: +10°C to + 30°C

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Electrical only:	☑ With BLOWER electric module for the ventilated function	Seasonal energy efficiency η_s: 40%

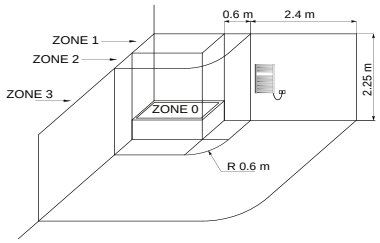
Class protection: CLASS 2	Minimum ingress protection: IP 24	Wire lenght: 800 mm with Schuko plug

CERTIFICATIONS

CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%.
The seasonal energy efficiency of ambient heating (η_s) is expressed with the ratio between the demand of ambient heating supplied by a heating appliance and the annual energy consumption required to meet this demand, expressed as percentage.
The Cordivari ErP is in line with the new Ecodesign directives, which are characterized by a great efficiency combined with the maximum attention to energy saving. In particular the radiators are at least equipped with: electronic temperature control; open window sensor; weekly program timer.
Thanks to the new fully programmable digital thermostats and sensors present on the radiators, now the new Cordivari ErP electric radiators, heat, efficiency and energy saving are the best allies of your comfort.

ACCESSORIES



Wireless remote control

Remote control of "BLOWER" ventilated funtioning

Art. nr. 5150990000011



Kit 2 hooks painted mild steel - white R01

Art. nr. 5991990310389

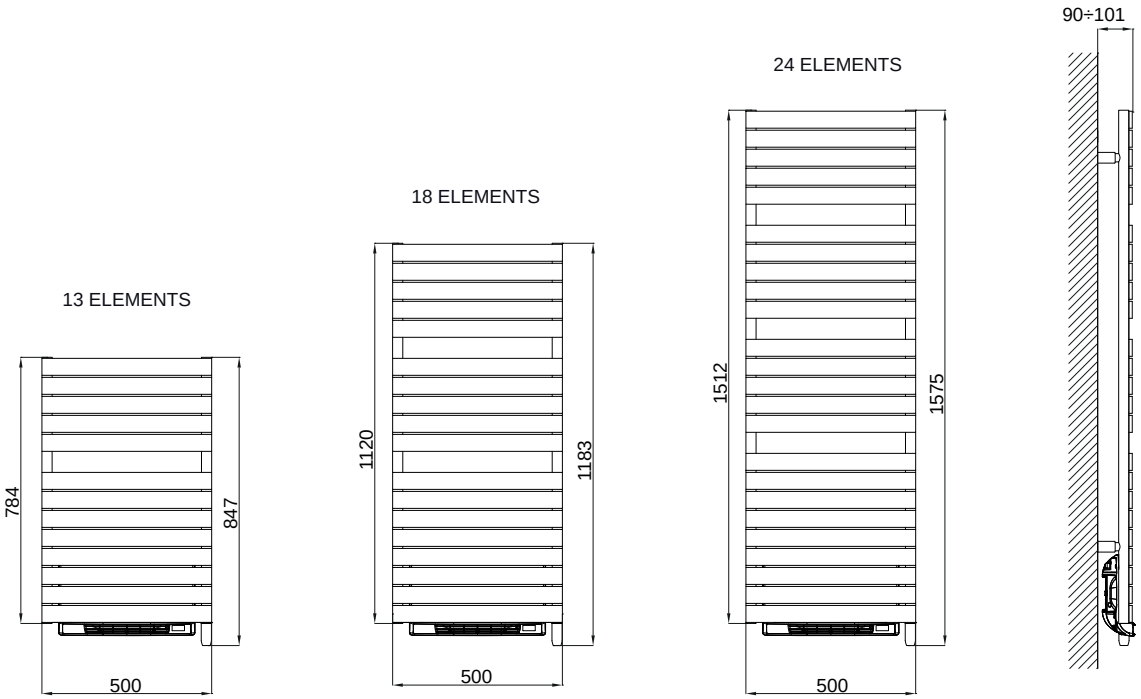


Towel bar painted mild steel-white R01

Art. nr. 5991990331127

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



DORY BLOWER

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	BLOWER Output [Watt]	Weight [Kg]
784	500	3581426100060	500	1000	19
1120	500	3581426100061	750	1000	25
1512	500	3581426100062	1000	1000	32



For the radiators manufactured in coloured version different from standard white the "Blower" electric module for ventilated function is provided in grey finishing.

ELECTRIC MODULE FOR THE VENTILATED FUNCTION:

- Ultra-discreet : Once integrated, the controller at the back of the heating body is aesthetically invisible
- Excellent ergonomic settings
- "Smart" electronic control : this means stable and accurate temperature in the bathroom all year round
- Energy Saving Pack
- Super comfort feature (automatic Boost): additional instantaneous heating, the hot air blower enables automatic and swift room temperature increase, after an Eco, Frost protection or Standby period
- Minimal thickness behind the towel rail
- Active memory: clock and settings are saved by EEPROM in case the mains power supply goes off

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.



DORY BLOWER
DUAL ENERGY

NEW

page 87

EUROPEAN WARRANTY

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Horizontal heating elements in painted mild steel 50 x 10 mm.

ELECTRIC MODULE FOR VENTILATED FUNCTION:
Power 1000 Watt - 230 V 50 Hz • On / Off Switch • Temperature settings: +10°C to + 30°C

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water	Minimum ingress protection: IP 24	☑ Dual energy (With BLOWER electric module for the ventilated function)

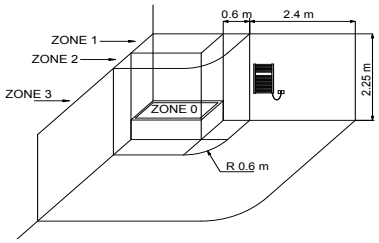
P. Max: 5 bar	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

HOW TO PLACE ELECTRIC RADIATORS



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In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP 2018

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The seasonal energy efficiency of ambient heating (η_s) is expressed with the ratio between the demand of ambient heating supplied by a heating appliance and the annual energy consumption required to meet this demand, expressed as percentage.
The Cordivari ErP is in line with the new Ecodesign directives, which are characterized by a great efficiency combined with the maximum attention to energy saving. In particular the radiators are at least equipped with: electronic temperature control; open window sensor; weekly program timer.
Thanks to the new fully programmable digital thermostats and sensors present on the radiators, now the new Cordivari ErP electric radiators, heat, efficiency and energy saving are the best allies of your comfort.

ACCESSORIES



Wireless remote control

Remote control of "BLOWER" ventilated funtioning

Art. nr. 5150990000011



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160

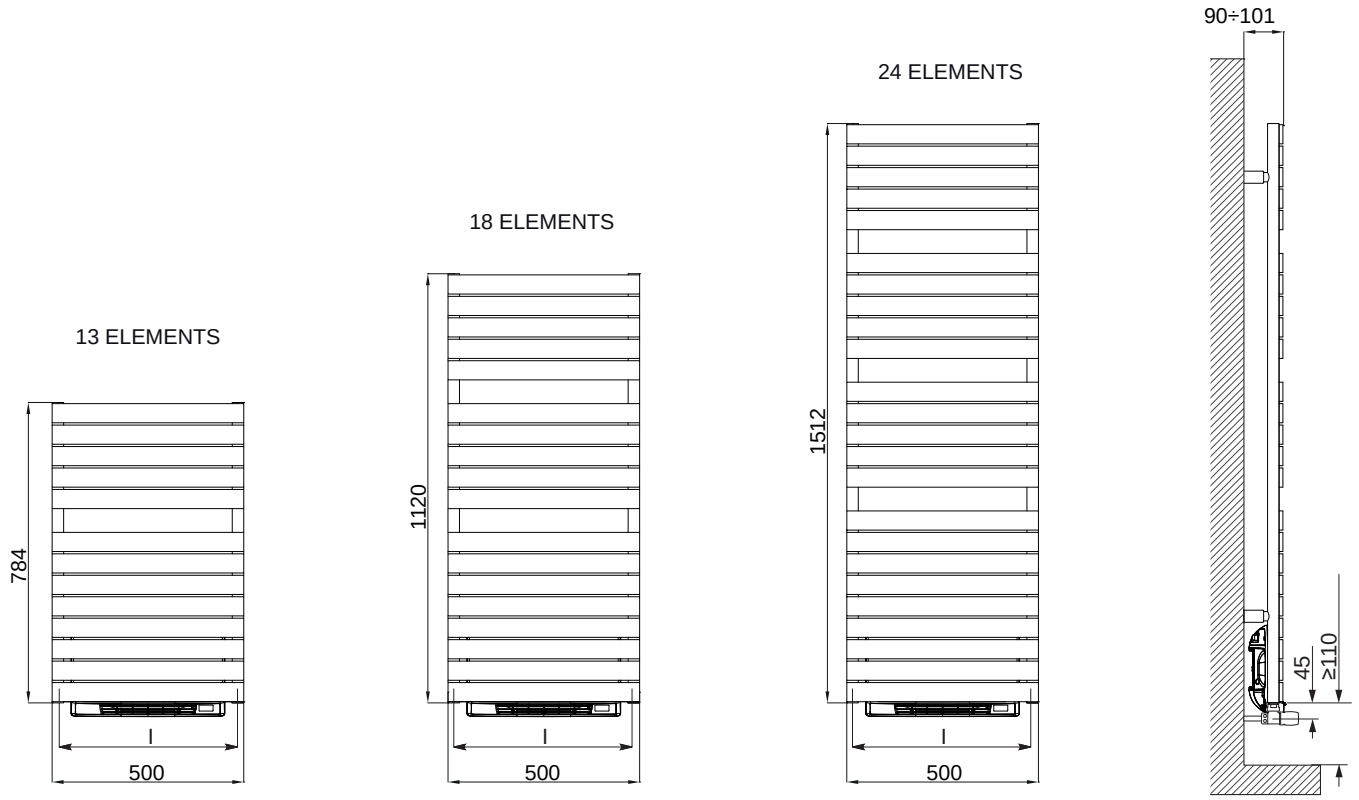


White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528



DORY BLOWER DUAL ENERGY

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Thermal output [Watt] Δt=30°C	Exp. n	BLOWER Output [Watt]
784	500	470	3581426100070	12,8	0,928	3,2	442	243	1,1679	1000
1120	500	470	3581426100071	16,2	1,291	4,5	592	326	1,1693	1000
1512	500	470	3581426100072	20,3	1,725	6,1	767	422	1,1709	1000

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



KELLY FLAT DX BLOWER

page 99

EUROPEAN **WARRANTY**

MATERIAL:
• Vertical collectors in painted mild steel ø 38 mm.
• Horizontal heating elements in painted mild steel 50 x10 mm.
• Glycolate water.

ELECTRIC MODULE FOR VENTILATED FUNCTION:
Power 1000 Watt - 230 V 50 Hz • On / Off Switch • Temperature settings: +10°C to + 30°C

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Electrical only:	☑ With BLOWER electric module for the ventilated function	Seasonal energy efficiency η_s: 40%

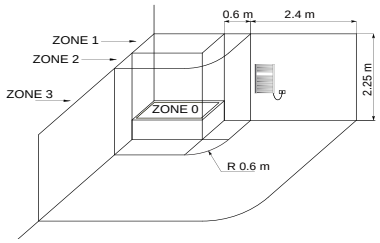
Class protection: CLASS 2	Minimum ingress protection: IP 24	Wire lenght: 800 mm with Schuko plug

CERTIFICATIONS

CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ECO DESIGN ErP 2018

All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%.
The seasonal energy efficiency of ambient heating (η_s) is expressed with the ratio between the demand of ambient heating supplied by a heating appliance and the annual energy consumption required to meet this demand, expressed as percentage.
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Thanks to the new fully programmable digital thermostats and sensors present on the radiators, now the new Cordivari ErP electric radiators, heat, efficiency and energy saving are the best allies of your comfort.

ACCESSORIES

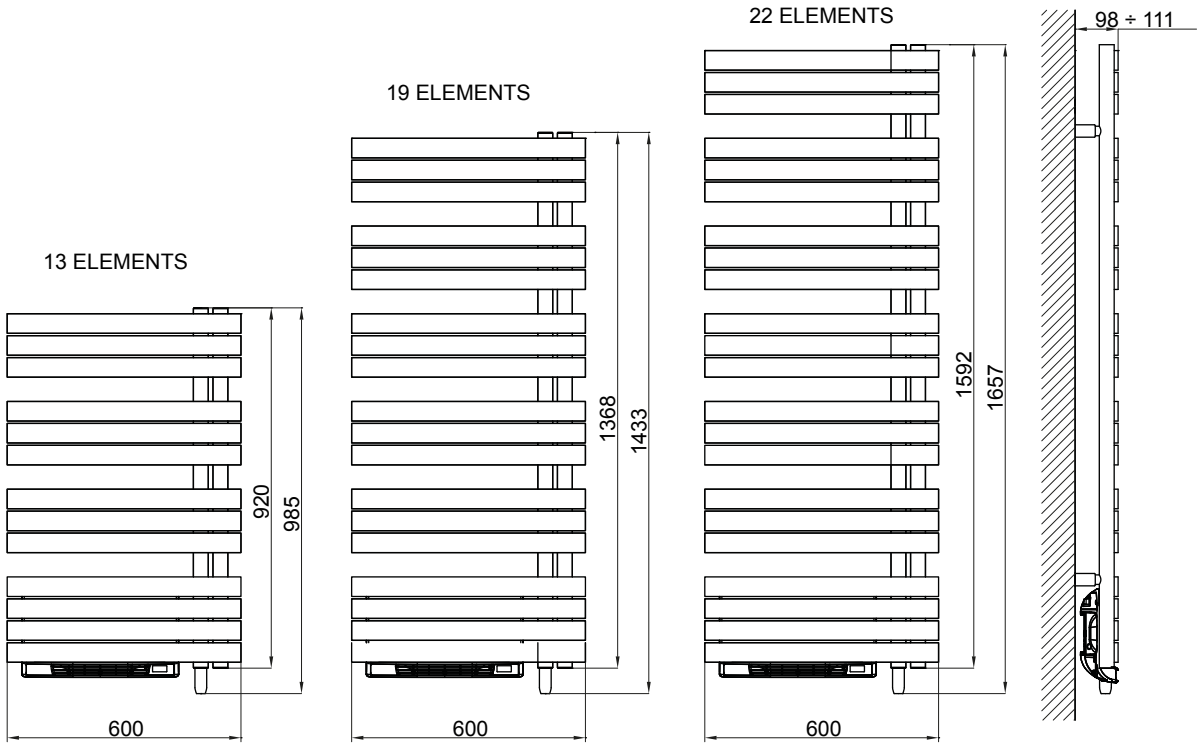


Wireless remote control

Remote control of "BLOWER" ventilated funtioning

Art. nr. 5150990000011

Accessories and spare parts - see from page 528



KELLY FLAT DX BLOWER

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	BLOWER Output [Watt]	Weight [Kg]
920	600	3581726100156	500	1000	20
1368	600	3581726100157	750	1000	27
1592	600	3581726100158	1000	1000	31



For the radiators manufactured in coloured version different from standard white the "Blower" electric module for ventilated function is provided in grey finishing.

ELECTRIC MODULE FOR THE VENTILATED FUNCTION:

- Ultra-discreet : Once integrated, the controller at the back of the heating body is aesthetically invisible
- Excellent ergonomic settings
- "Smart" electronic control : this means stable and accurate temperature in the bathroom all year round
- Energy Saving Pack
- Super comfort feature (automatic Boost): additional instantaneous heating, the hot air blower enables automatic and swift room temperature increase, after an Eco, Frost protection or Standby period
- Minimal thickness behind the towel rail
- Active memory: clock and settings are saved by EEPROM in case the mains power supply goes off

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.



KELLY FLAT SX BLOWER

page 98

EUROPEAN **WARRANTY**

MATERIAL:
• Vertical collectors in painted mild steel ø 38 mm.
• Horizontal heating elements in painted mild steel 50 x10 mm.
• Glycolate water.

ELECTRIC MODULE FOR VENTILATED FUNCTION:
Power 1000 Watt - 230 V 50 Hz • On / Off Switch • Temperature settings: +10°C to + 30°C

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Electrical only:	☑ With BLOWER electric module for the ventilated function	Seasonal energy efficiency η_s: 40%

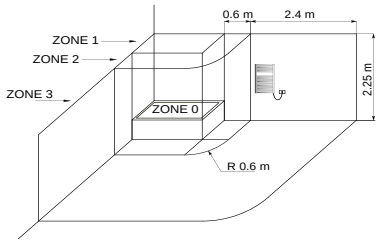
Class protection: CLASS 2	Minimum ingress protection: IP 24	Wire lenght: 800 mm with Schuko plug

CERTIFICATIONS

CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
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ACCESSORIES

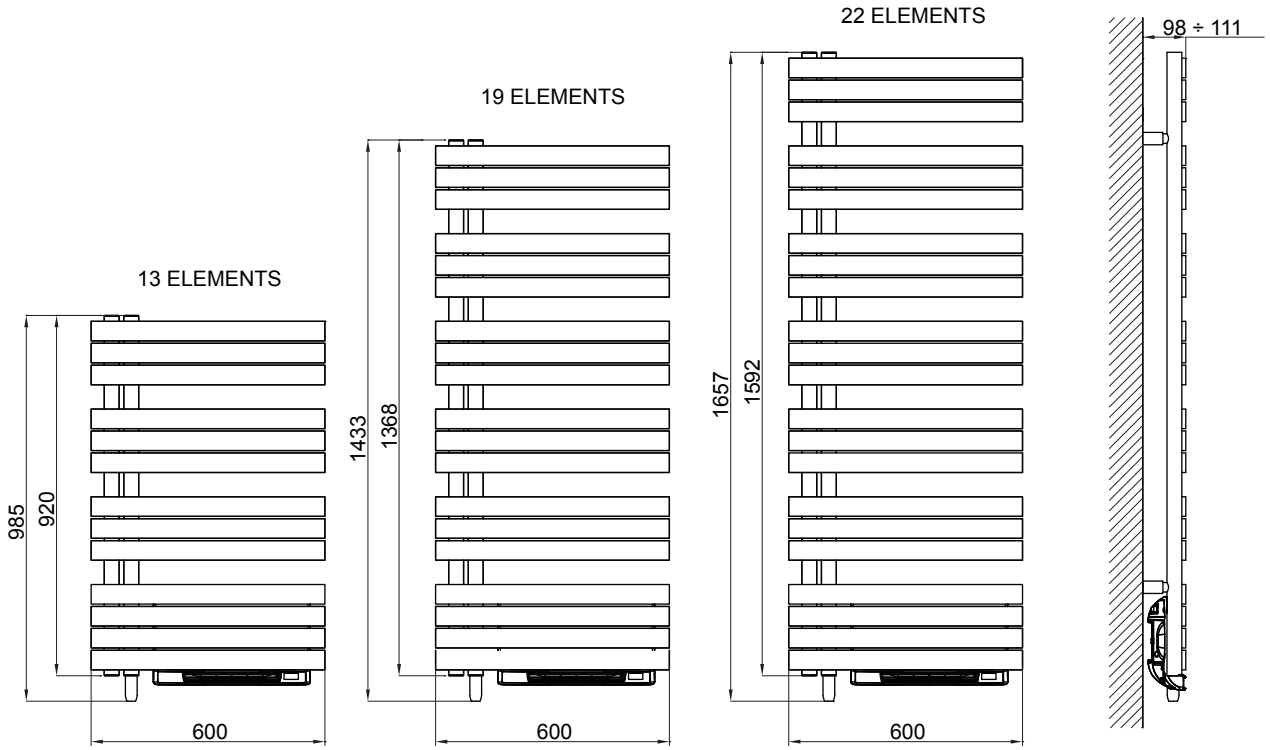


Wireless remote control

Remote control of "BLOWER" ventilated funtioning

Art. nr. 5150990000011

Accessories and spare parts - see from page 528



KELLY FLAT SX BLOWER

Height [mm]	WIDTH L [mm]	Art. nr.	Output [Watt]	BLOWER Output [Watt]	Weight [Kg]
920	600	3581726100159	500	1000	20
1368	600	3581726100160	750	1000	27
1592	600	3581726100161	1000	1000	31



For the radiators manufactured in coloured version different from standard white the "Blower" electric module for ventilated function is provided in grey finishing.

ELECTRIC MODULE FOR THE VENTILATED FUNCTION:

- Ultra-discreet : Once integrated, the controller at the back of the heating body is aesthetically invisible
- Excellent ergonomic settings
- "Smart" electronic control : this means stable and accurate temperature in the bathroom all year round
- Energy Saving Pack
- Super comfort feature (automatic Boost): additional instantaneous heating, the hot air blower enables automatic and swift room temperature increase, after an Eco, Frost protection or Standby period
- Minimal thickness behind the towel rail
- Active memory: clock and settings are saved by EEPROM in case the mains power supply goes off

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.



KELLY FLAT (DX/SX) BLOWER
DUAL ENERGY

page 100

EUROPEAN **WARRANTY**

NEW

MATERIAL:
• Vertical collectors in painted mild steel ø 38 mm.
• Horizontal heating elements in painted mild steel 50 x 10 mm.

ELECTRIC MODULE FOR VENTILATED FUNCTION:
Power 1000 Watt - 230 V 50 Hz • On / Off Switch • Temperature settings: +10°C to + 30°C

FIXING KIT:
Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water	Minimum ingress protection: IP 24	☑ Dual energy (With BLOWER electric module for the ventilated function)

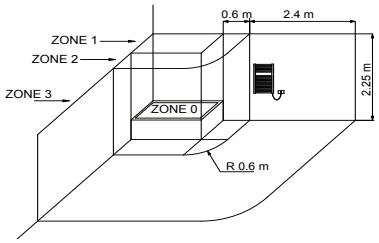
P. Max: 5 bar	T. Max: 110° C	Connections: 2 x 1/2" gas - 2 x 1/2" gas for airvent

CERTIFICATIONS

CE

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
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ACCESSORIES



Wireless remote control

Remote control of "BLOWER" ventilated funtioning

Art. nr. 5150990000011



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



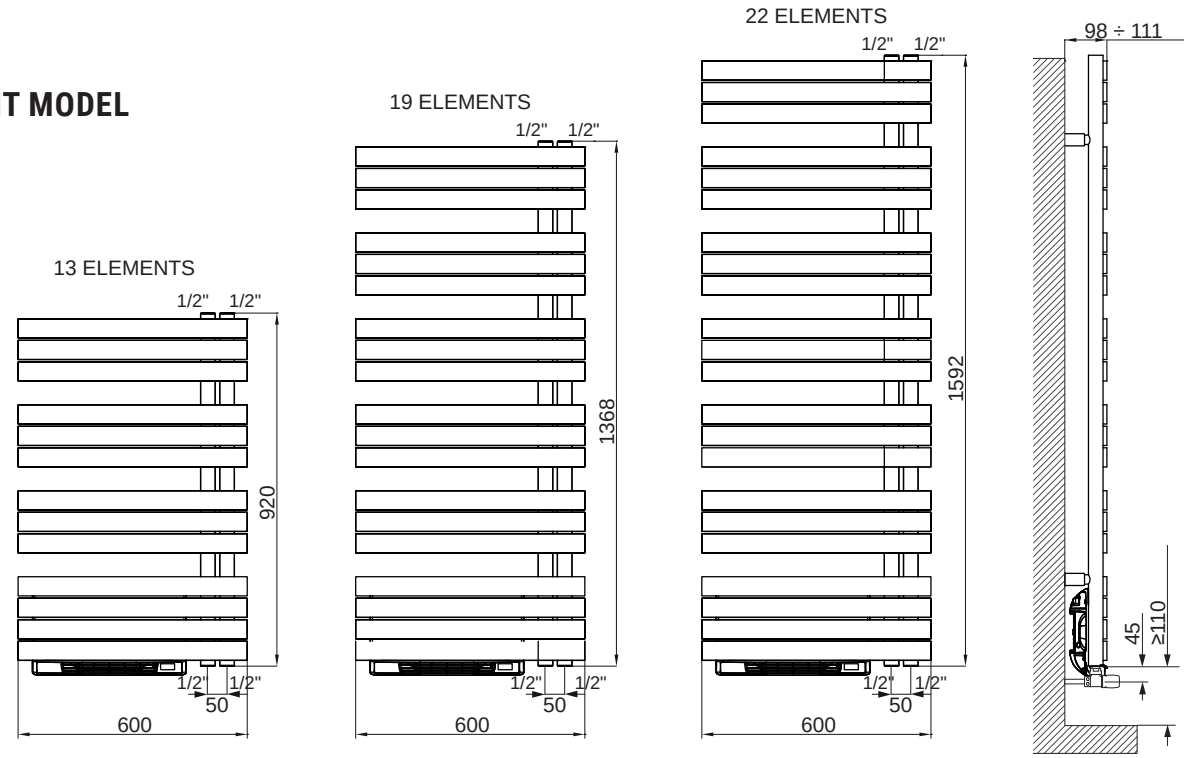
White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

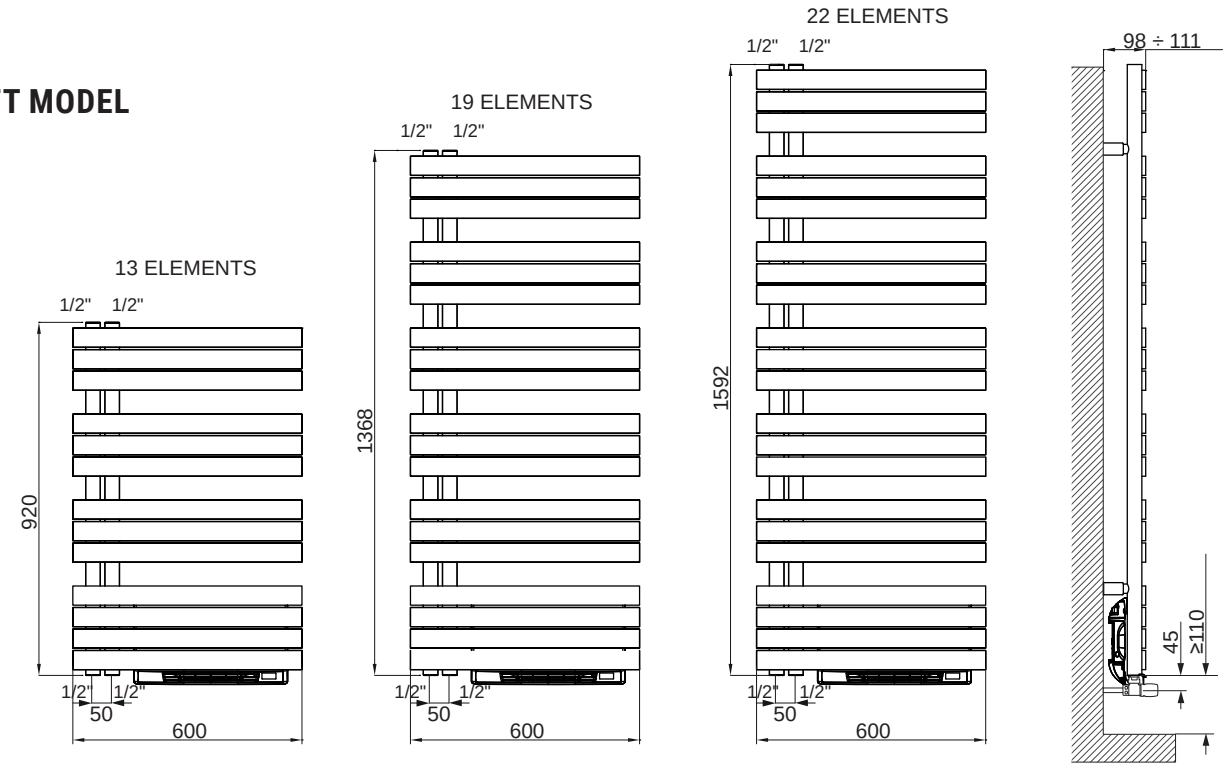
If ordered separately from the radiator, the accessories are available in standard white only.

Accessories and spare parts - see from page 528

RIGHT MODEL



LEFT MODEL



KELLY FLAT BLOWER DUAL ENERGY

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr. **RIGHT model**	Art. nr. **LEFT model**	Dry Weight [Kg]	Surface [m²]	Water content [lt]	Thermal output [Watt] **Δt=50°C**	Thermal output [Watt] Δt=30°C	Thermal output [Watt] Exp. **n**	BLOWER Output [Watt]
920	600	50	3581726100213	3581726100210	14,7	1,10	4,33	443	234	1,2536	1000
1368	600	50	3581726100214	3581726100211	19,5	1,60	6,53	637	336	1,2533	1000
1592	600	50	3581726100215	3581726100212	22,0	1,86	7,63	742	388	1,2696	1000



ELEN 18
POLISHED STAINLESS STEEL

page 110

WARRANTY
10 YEARS

MATERIAL:
• Vertical collectors in polished stainless steel da ø 30 mm.
• Horizontal elements in polished stainless steel ø 18 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water	☑ Electric (see page 348)	☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

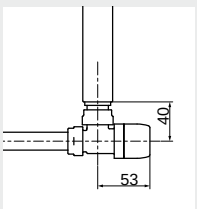
ACCESSORIES



Kristal valve square with thermostatic option-chromed

Copper conn. Ø 12/14/15
Art. nr. 5991990311165

Multilayer conn. Ø 16
Art. nr. 5991990311166



Quotes for square Kristal valves with thermostatic option



Kit 2 hooks-polished stainless steel

Art. nr. 5991990010216

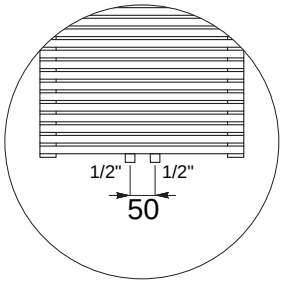


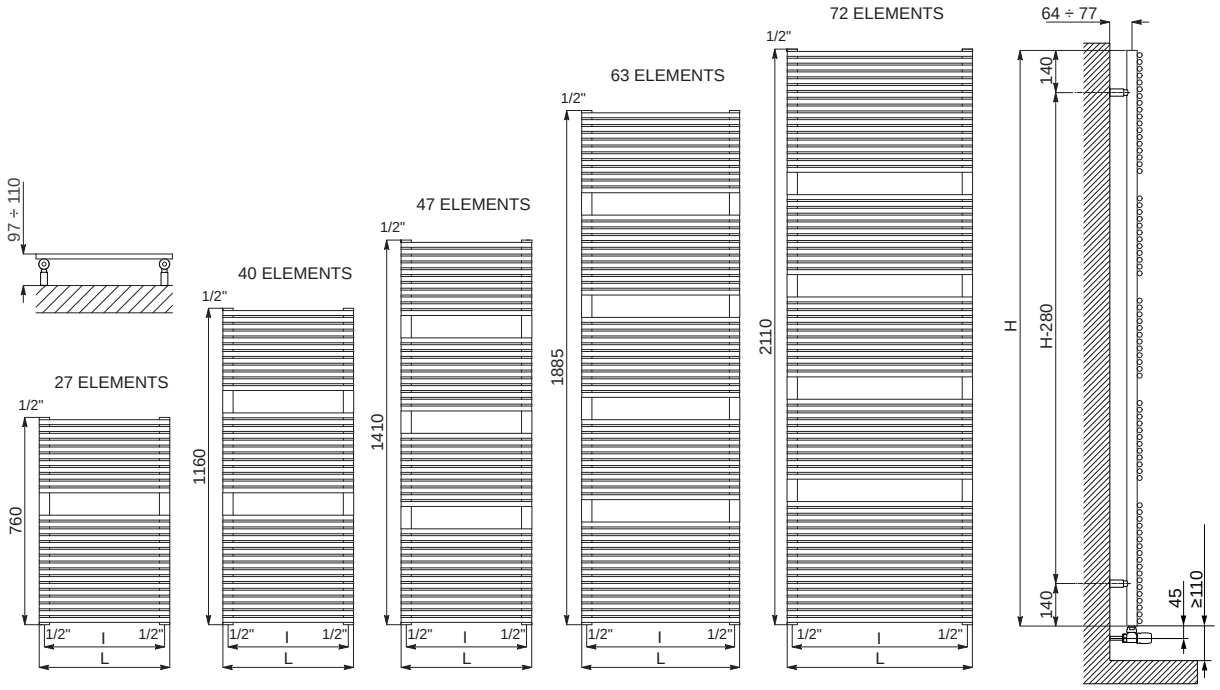
Towel bar-polished stainless steel

WIDTH 350 mm

Art. nr. 5991990010221

Accessories and spare parts - see from page 528





Quotes for Kristal valves

ELEN 18 POLISHED STAINLESS STEEL

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Thermal output [Watt] Δt=30°C	Exp. n	Dual energy kit [Watt]
760	430	400	3551440133130	3551440133147	7,8	0,8	3,5	282	147	1,2718	300
	480	450	3551440133134	3551440133151	9,2	0,9	4,0	358	188	1,2626	400
1160	430	400	3551440133131	3551440133148	11,5	1,2	5,3	415	217	1,2705	500
	480	450	3551440133135	3551440133152	13,7	1,4	6,0	523	275	1,2576	600
	530	500	3551440133138	3551440133155	15,7	1,6	6,8	631	333	1,2490	700
	580	550	3551440133142	3551440133159	19,8	2,1	8,3	846	449	1,2384	900
1410	430	400	3551440133132	3551440133149	13,7	1,4	6,3	486	254	1,2697	600
	480	450	3551440133136	3551440133153	16,2	1,7	7,2	609	321	1,2549	700
	530	500	3551440133139	3551440133156	18,6	1,9	8,1	732	388	1,2450	900
	580	550	3551440133143	3551440133160	23,3	2,4	9,9	978	521	1,2325	1200
1885	430	400	3551440133133	3551440133150	18,3	1,9	8,4	646	338	1,2681	700
	480	450	3551440133137	3551440133154	21,7	2,2	9,6	799	422	1,2487	900
	530	500	3551440133140	3551440133157	24,9	2,6	10,8	952	506	1,2357	900
	580	550	3551440133144	3551440133161	31,2	3,3	13,2	1259	675	1,2192	1200
2110	530	500	3551440133141	3551440133158	24,6	2,5	10,9	902	477	1,2453	900
	580	550	3551440133145	3551440133162	28,3	2,9	12,3	1070	571	1,2305	1200
	730	700	3551440133146	3551440133163	35,6	3,8	15,0	1404	756	1,2117	1200

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



ELEN 18
SATIN STAINLESS STEEL

page 112

WARRANTY
10 YEARS

MATERIAL:
• Vertical collectors in satin stainless steel ø 30 mm.
• Horizontal elements in satin stainless steel ø 18 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE

EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

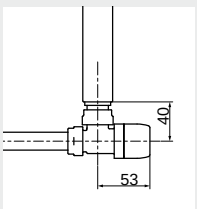
ACCESSORIES



Kristal valve square with thermostatic option-satin

Copper conn. Ø 12/14/15
Art. nr. 5991990321143

Multilayer conn. Ø 16
Art. nr. 5991990321144



Quotes for square Kristal valves with thermostatic option



Kit 2 hooks-satin stainless steel

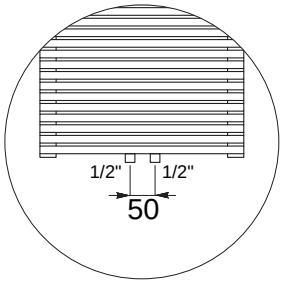
Art. nr. 5991990010217

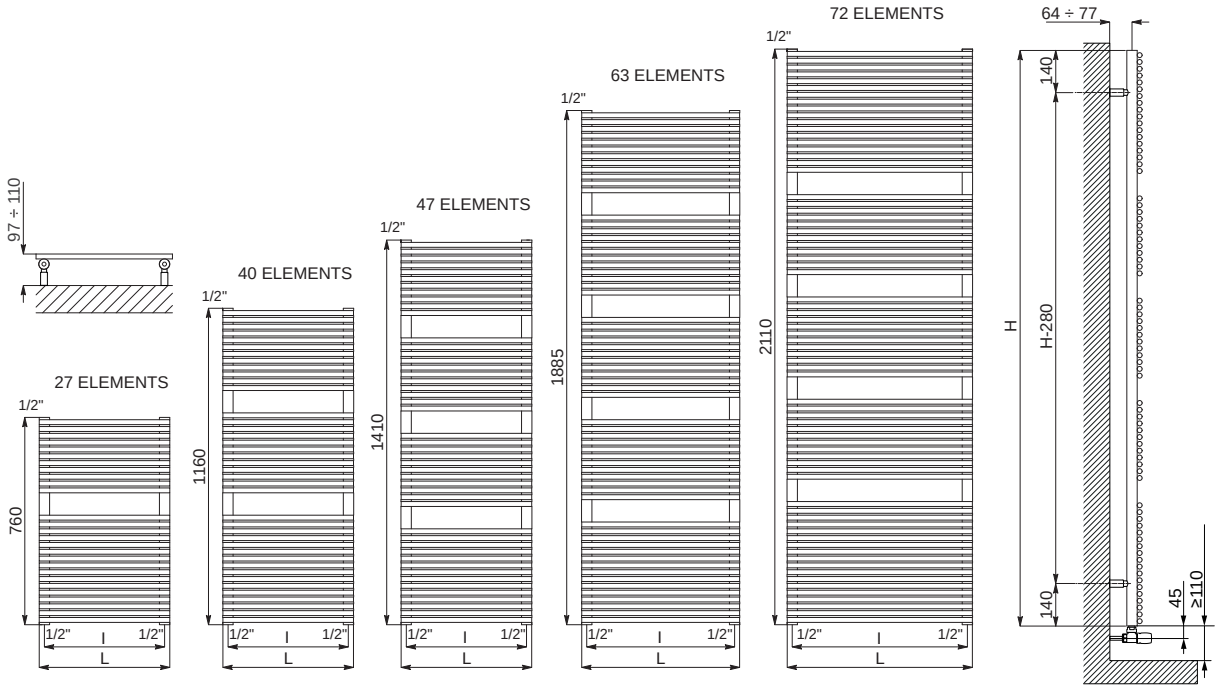


Towel bar-satin stainless steel (width 350 mm)

Art. nr. 5991990010222

Accessories and spare parts - see from page 528





Quotes for Kristal valves

ELEN 18 SATIN STAINLESS STEEL

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Thermal output [Watt] Δt=30°C	Exp. n	Dual energy kit [Watt]
760	430	400	3551590133040	3551590133057	7,8	0,8	3,5	291	151	1,2856	300
	480	450	3551590133044	3551590133061	9,2	0,9	4,0	370	193	1,2714	400
1160	430	400	3551590133041	3551590133058	11,5	1,2	5,3	434	226	1,2795	500
	480	450	3551590133045	3551590133062	13,7	1,4	6,0	545	286	1,2634	600
	530	500	3551590133048	3551590133065	15,7	1,6	6,8	657	346	1,2527	700
	580	550	3551590133052	3551590133069	19,8	2,1	8,3	880	467	1,2395	900
1410	430	400	3551590133042	3551590133059	13,7	1,4	6,3	509	265	1,2762	600
	480	450	3551590133046	3551590133063	16,2	1,7	7,2	636	334	1,2590	700
	530	500	3551590133049	3551590133066	18,6	1,9	8,1	764	404	1,2476	900
	580	550	3551590133053	3551590133070	23,3	2,4	9,9	1020	543	1,2334	1200
1885	430	400	3551590133043	3551590133060	18,3	1,9	8,4	701	375	1,2236	700
	480	450	3551590133047	3551590133064	21,7	2,2	9,6	868	455	1,2631	900
	530	500	3551590133050	3551590133067	24,9	2,6	10,8	1014	532	1,2630	900
	580	550	3551590133054	3551590133071	31,2	3,3	13,2	1317	706	1,2192	1200
2110	530	500	3551590133051	3551590133068	24,6	2,5	10,9	945	501	1,2436	900
	580	550	3551590133055	3551590133072	28,3	2,9	12,3	1120	598	1,2293	1200
	730	700	3551590133056	3551590133073	35,6	3,8	15,0	1472	793	1,2113	1200

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



ELEN 18 WIDE
POLISHED STAINLESS STEEL

page 114

WARRANTY
10 YEARS

MATERIAL:
• Vertical collectors in polished stainless steel da ø 38 mm.
• Horizontal elements in polished stainless steel ø 18 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE

EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square with thermostatic option-chromed

Copper conn. Ø 12/14/15
Art. nr. 5991990311165

Multilayer conn. Ø 16
Art. nr. 5991990311166



Kristal corner valve with thermostatic option-chromed

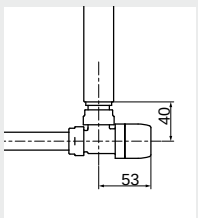
Copper conn. Ø 12/14/15
Art. nr. 5991990301148

Multilayer conn. Ø 16
Art. nr. 5991990301147

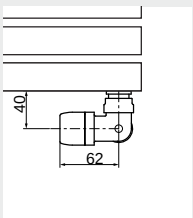


Kit 2 hooks-polished stainless steel

Art. nr. 5991990010216

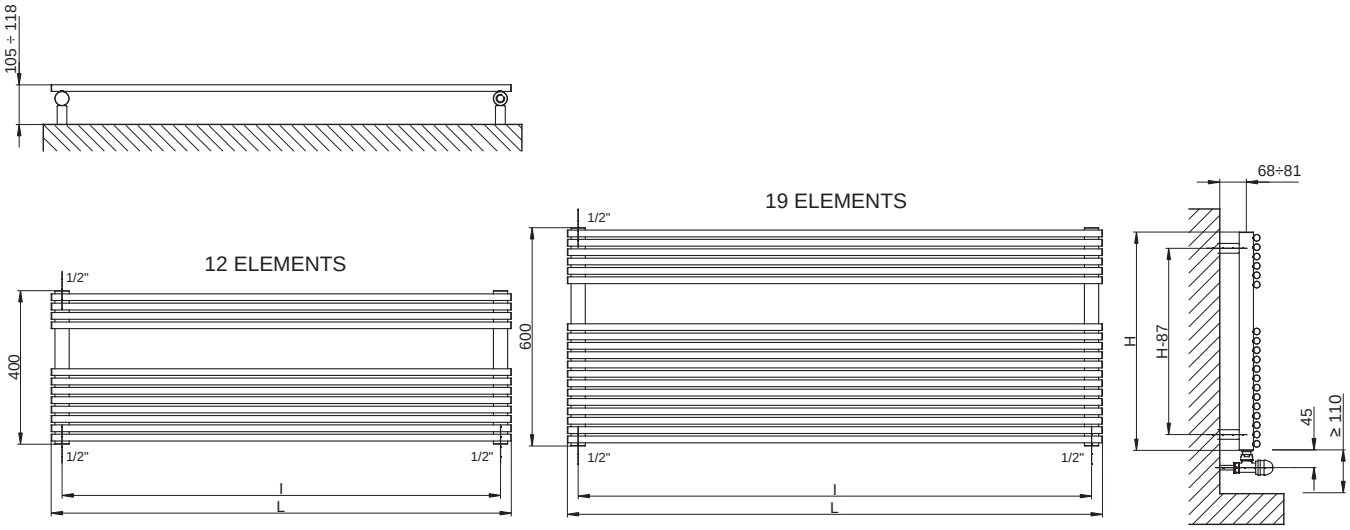


Quotes for square Kristal valves with thermostatic option



Quotes for corner Kristal valves with thermostatic option

Accessories and spare parts - see from page 528



Quotes for Kristal valves

ELEN 18 WIDE POLISHED STAINLESS STEEL

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. **n**	Dual energy kit [Watt]
400	1228	1170	**3551440130201**	8,4	0,9	3,6	460	249	1,2050	300
	1428	1370	**3551440130202**	9,2	1,06	4,1	535	289	1,2050	300
600	1228	1170	**3551440130203**	12,3	1,45	5,7	706	382	1,2010	700
	1428	1370	**3551440130204**	14,8	1,67	6,3	822	445	1,2010	700

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



ELEN 22
POLISHED STAINLESS STEEL

page 118

WARRANTY
10 YEARS

NEW

MATERIAL:
• Vertical collectors in polished stainless steel da ø 30 mm.
• Horizontal elements in polished stainless steel ø 22 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square with thermostatic option-chromed

Copper conn. Ø 12/14/15
Art. nr. 5991990311165

Multilayer conn. Ø 16
Art. nr. 5991990311166



Kristal corner valve with thermostatic option-chromed

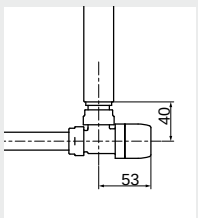
Copper conn. Ø 12/14/15
Art. nr. 5991990301148

Multilayer conn. Ø 16
Art. nr. 5991990301147

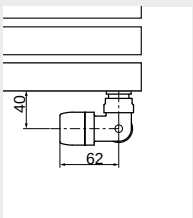


Chromed thermostatic head

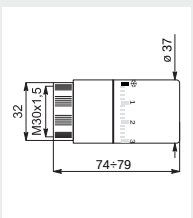
(Kit 2 pieces)
Art. nr. 5035270710015



Quotes for square Kristal valves with thermostatic option

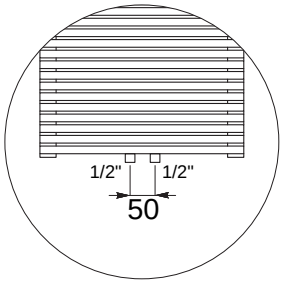


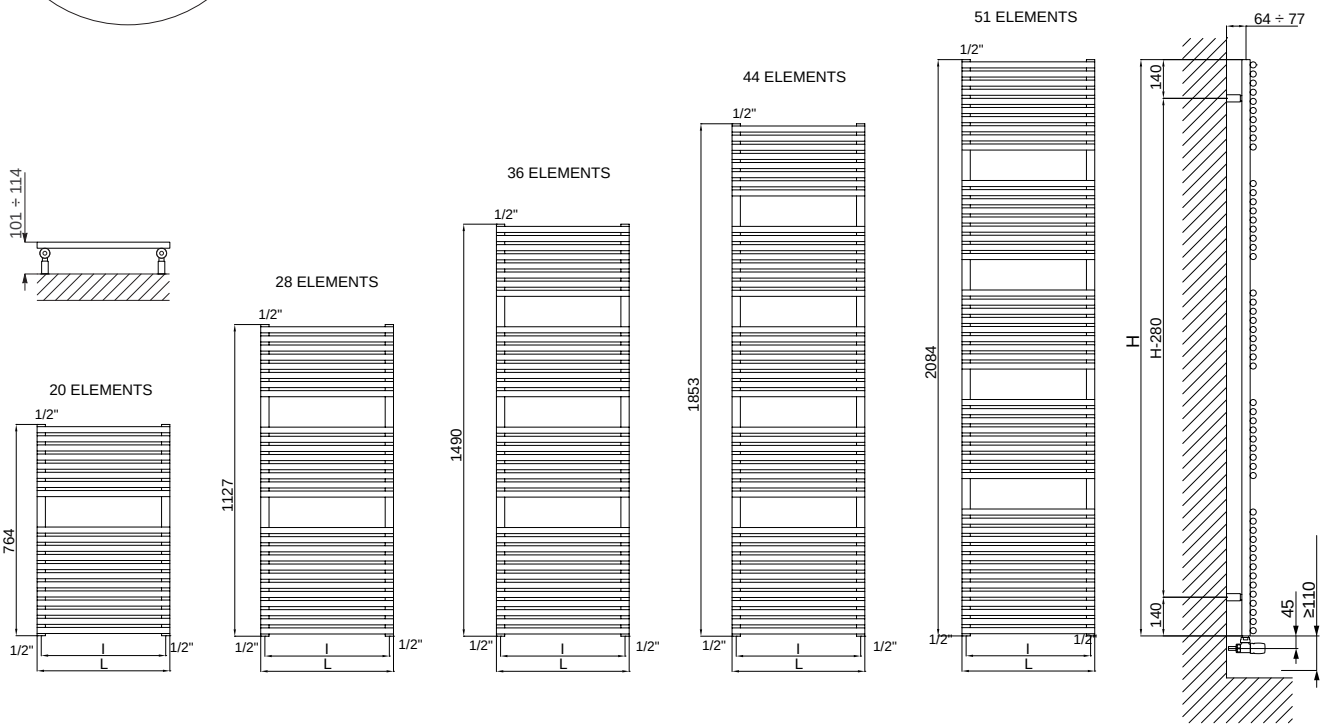
Quotes for corner Kristal valves with thermostatic option



Thermostatic head quotes

Accessories and spare parts - see from page 528





Quotes for Kristal valves

ELEN 22 POLISHED STAINLESS STEEL

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Thermal output [Watt] Dry Weight [Kg]	Surface [m2]	Water content [lt]	**Δt=50°C**	Δt=30°C	Exp. **n**	Dual energy kit [Watt]
764	430	400	3551440133080	3551440133110	5,8	0,74	3,62	276	147	1,2335	300
	480	450	3551440133085	3551440133114	6,3	0,81	3,93	305	163	1,2248	400
1127	430	400	3551440133081	3551440133111	8,2	1,04	5,13	387	206	1,2348	500
	480	450	3551440133086	3551440133115	8,9	1,14	5,57	426	228	1,2265	500
	530	500	3551440133091	3551440133119	9,6	1,24	6,01	466	250	1,2181	600
	580	550	3551440133096	3551440133123	10,3	1,33	6,45	505	272	1,2098	700
1490	430	400	3551440133082	3551440133112	10,6	1,35	6,65	503	268	1,2289	700
	480	450	3551440133087	3551440133116	11,5	1,48	7,21	553	296	1,2233	700
	530	500	3551440133092	3551440133120	12,4	1,60	7,78	604	324	1,2178	700
	580	550	3551440133097	3551440133124	13,4	1,72	8,34	654	352	1,2122	900
1853	430	400	3551440133083	3551440133113	13,0	1,66	8,16	628	338	1,2147	700
	480	450	3551440133088	3551440133117	14,1	1,81	8,85	689	371	1,2123	900
	530	500	3551440133093	3551440133121	15,2	1,96	9,54	750	404	1,2099	900
	580	550	3551440133098	3551440133125	16,4	2,11	10,23	811	438	1,2076	900
2084	480	450	3551440133089	3551440133118	16,2	2,08	10,18	781	422	1,2053	900
	530	500	3551440133094	3551440133122	17,6	2,26	10,99	849	459	1,2049	900
	580	550	3551440133099	3551440133126	18,9	2,44	11,79	917	496	1,2046	1200
	730	700	3551440133104	3551440133127	22,9	2,97	14,19	1122	607	1,2037	1200

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



NANCY
POLISHED STAINLESS STEEL

page 120

WARRANTY
10 YEARS

MATERIAL:
• Vertical collectors in polished stainless steel ø 30 mm.
• Curved horizontal elements in polished stainless steel ø 18 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE

EURONORM EN 442-1 RADIATORS AND CONVECTORS

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square with thermostatic option-chromed

Copper conn. Ø 12/14/15
Art. nr. 5991990311165

Multilayer conn. Ø 16
Art. nr. 5991990311166



Kristal corner valve with thermostatic option-chromed

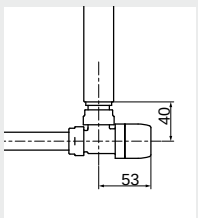
Copper conn. Ø 12/14/15
Art. nr. 5991990301148

Multilayer conn. Ø 16
Art. nr. 5991990301147

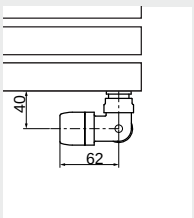


Kit 2 hooks-polished stainless steel

Art. nr. 5991990010216

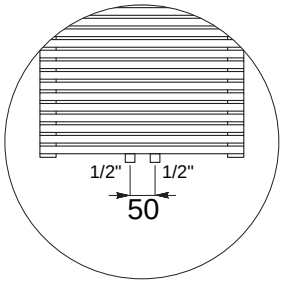


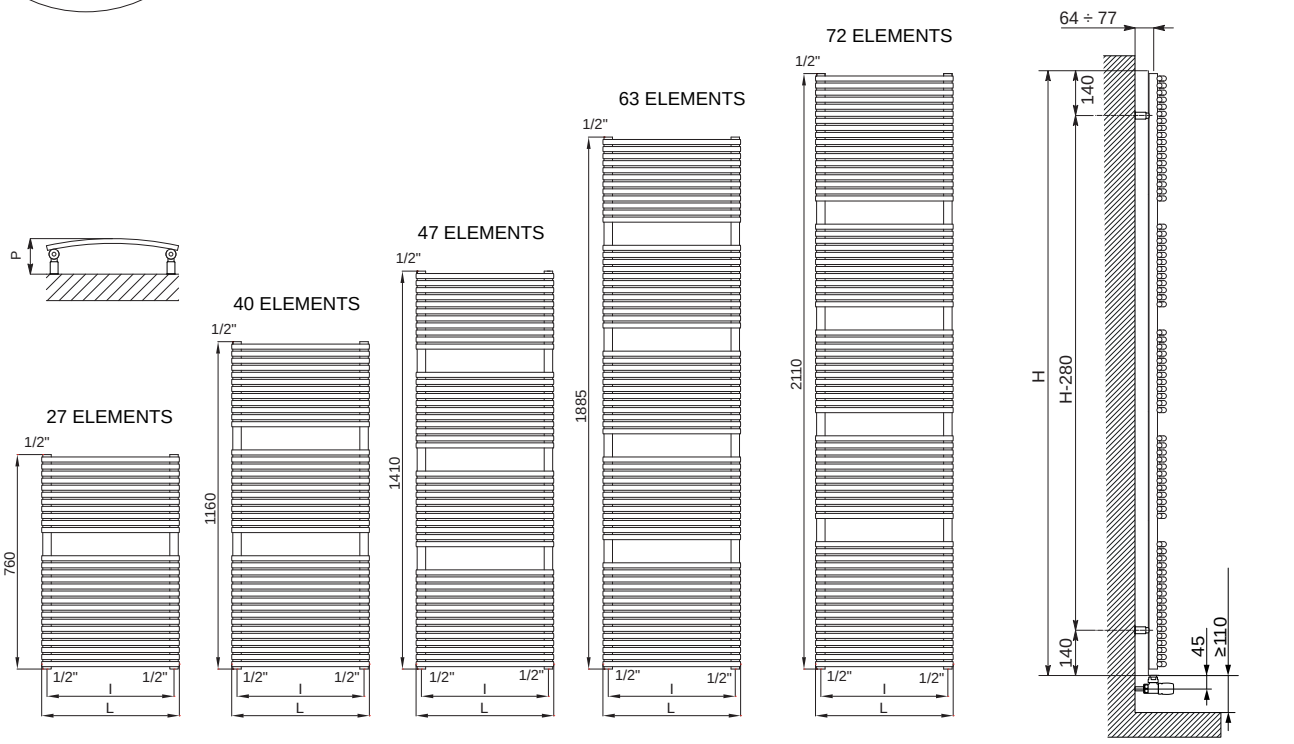
Quotes for square Kristal valves with thermostatic option



Quotes for corner Kristal valves with thermostatic option

Accessories and spare parts - see from page 528





Quotes for Kristal valves

NANCY POLISHED STAINLESS STEEL

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	P [mm]	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Thermal output [Watt] Δt=30°C	Exp. **n**	Dual energy kit [Watt]
760	387	350	3551440132050	3551440132064	106 - 116	8,1	0,8	3,6	301	157	1,2729	300
	488	450	3551440132054	3551440132068	111- 121	9,6	1,0	4,2	396	211	1,2354	400
1160	387	350	3551440132051	3551440132065	106 - 116	11,2	1,1	5,0	408	213	1,2726	500
	488	450	3551440132055	3551440132069	111- 121	13,1	1,3	5,7	527	280	1,2386	600
	589	550	3551440132059	3551440132073	118 - 128	15,1	1,6	6,5	646	347	1,2175	700
1410	387	350	3551440132052	3551440132066	106 - 116	14,2	1,4	6,4	514	268	1,2724	600
	488	450	3551440132056	3551440132070	111- 121	16,6	1,7	7,3	658	349	1,2419	700
	589	550	3551440132060	3551440132074	118 - 128	19,1	2,0	8,3	801	429	1,2227	900
1885	387	350	3551440132053	3551440132067	106 - 116	17,1	1,7	7,8	621	324	1,2722	700
	488	450	3551440132057	3551440132071	111- 121	20,2	2,1	8,9	789	418	1,2451	900
	589	550	3551440132061	3551440132075	118 - 128	23,1	2,4	10,0	958	512	1,2280	900
2110	488	450	3551440132058	3551440132072	111- 121	23,7	2,4	10,5	922	487	1,2483	900
	589	550	3551440132062	3551440132076	118 - 128	27,1	2,8	11,8	1116	594	1,2332	1200
	793	750	3551440132063	3551440132077	136 - 146	34,1	3,5	14,4	1505	809	1,2150	1200

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



NANCY
SATIN STAINLESS STEEL

page 118

WARRANTY
10 YEARS

MATERIAL:
• Vertical collectors in satin stainless steel ø 30 mm.
• Curved horizontal elements in satin stainless steel ø 18 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE

EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square with thermostatic option-satin

Copper conn. Ø 12/14/15
Art. nr. 5991990321143

Multilayer conn. Ø 16
Art. nr. 5991990321144



Kristal corner valve with thermostatic option-satin

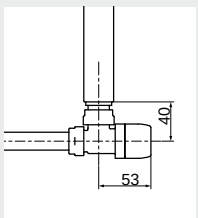
Copper conn. Ø 12/14/15
Art. nr. 5991990321134

Multilayer conn. Ø 16
Art. nr. 5991990321133

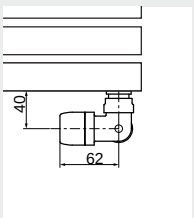


Kit 2 hooks-satin stainless steel

Art. nr. 5991990010217

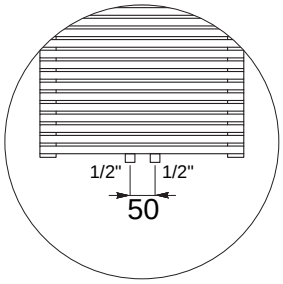


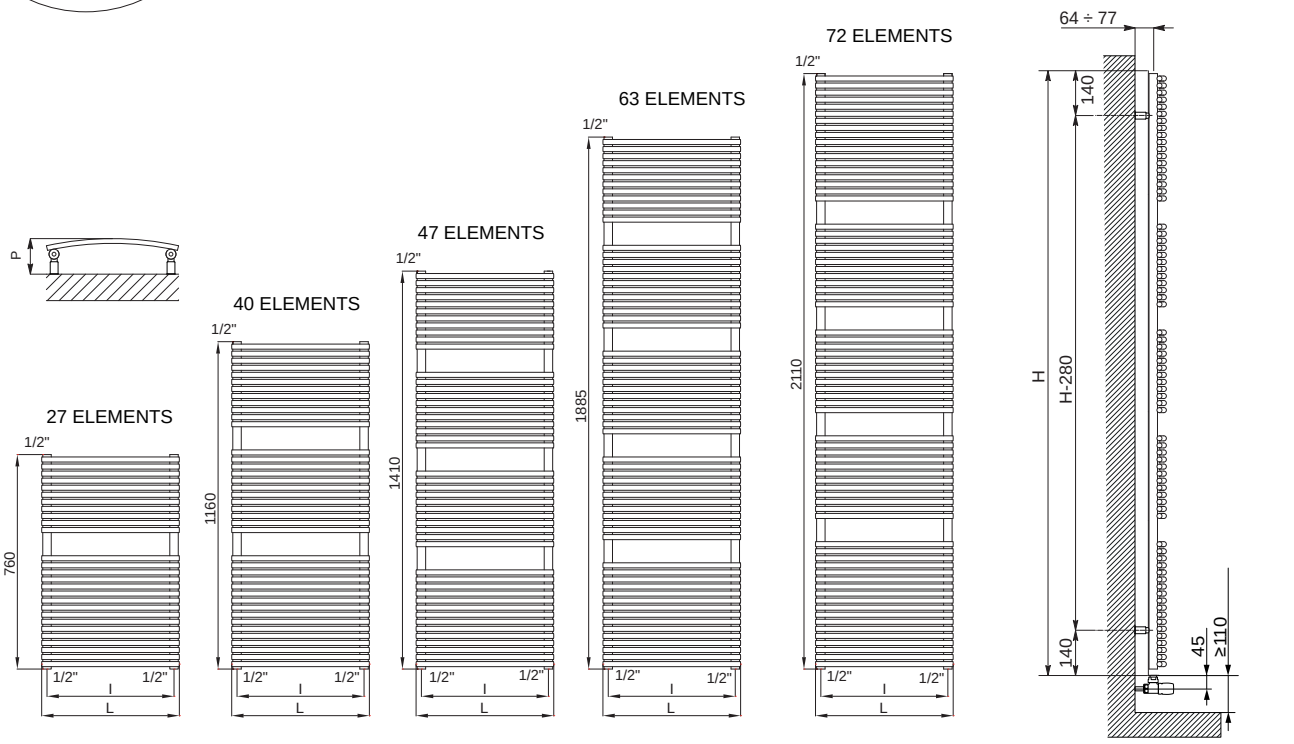
Quotes for square Kristal valves with thermostatic option



Quotes for corner Kristal valves with thermostatic option

Accessories and spare parts - see from page 528





Quotes for Kristal valves

NANCY SATIN STAINLESS STEEL

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	P [mm]	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Thermal output [Watt] Δt=30°C	Exp. n	Dual energy kit [Watt]
760	387	350	3551440132550	3551440132564	106 - 116	8,1	0,8	3,6	307	161	1,2644	300
	488	450	3551440132554	3551440132568	111- 121	9,6	1,0	4,2	405	216	1,2262	500
1160	387	350	3551440132551	3551440132565	106 - 116	11,2	1,1	5,0	418	219	1,2673	500
	488	450	3551440132555	3551440132569	111- 121	13,1	1,3	5,7	540	287	1,2342	600
	589	550	3551440132559	3551440132573	118 - 128	15,1	1,6	6,5	662	356	1,2138	700
1410	387	350	3551440132552	3551440132566	106 - 116	14,2	1,4	6,4	531	278	1,2702	600
	488	450	3551440132556	3551440132570	111- 121	16,6	1,7	7,3	677	359	1,2423	700
	589	550	3551440132560	3551440132574	118 - 128	19,1	2,0	8,3	824	441	1,2248	900
1885	387	350	3551440132553	3551440132567	106 - 116	17,1	1,7	7,8	646	337	1,2731	700
	488	450	3551440132557	3551440132571	111- 121	20,2	2,1	8,9	819	432	1,2530	900
	589	550	3551440132561	3551440132575	118 - 128	23,1	2,4	10,0	992	528	1,2359	1200
2110	488	450	3551440132558	3551440132572	111- 121	23,7	2,4	10,5	966	508	1,2583	1200
	589	550	3551440132562	3551440132576	118 - 128	27,1	2,8	11,8	1168	618	1,2470	1200
	793	750	3551440132563	3551440132577	136 - 146	34,1	3,5	14,4	1574	838	1,2333	1200

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



SANDY
POLISHED STAINLESS STEEL

page 124

WARRANTY
10 YEARS

MATERIAL:
• Vertical collectors in polished stainless steel da ø 38 mm.
• Horizontal elements in polished stainless steel ø 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water	☑ Electric (see page 360)	☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE

EURONORM EN 442-1 RADIATORS AND CONVECTORS

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square with thermostatic option-chromed

Copper conn. Ø 12/14/15
Art. nr. 5991990311165

Multilayer conn. Ø 16
Art. nr. 5991990311166



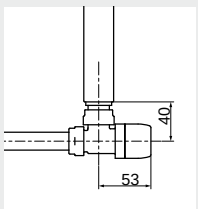
Chromed thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710015

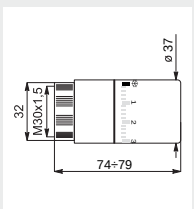


Kit 2 hooks-polished stainless steel

Art. nr. 5991990010215

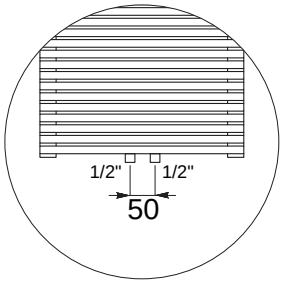


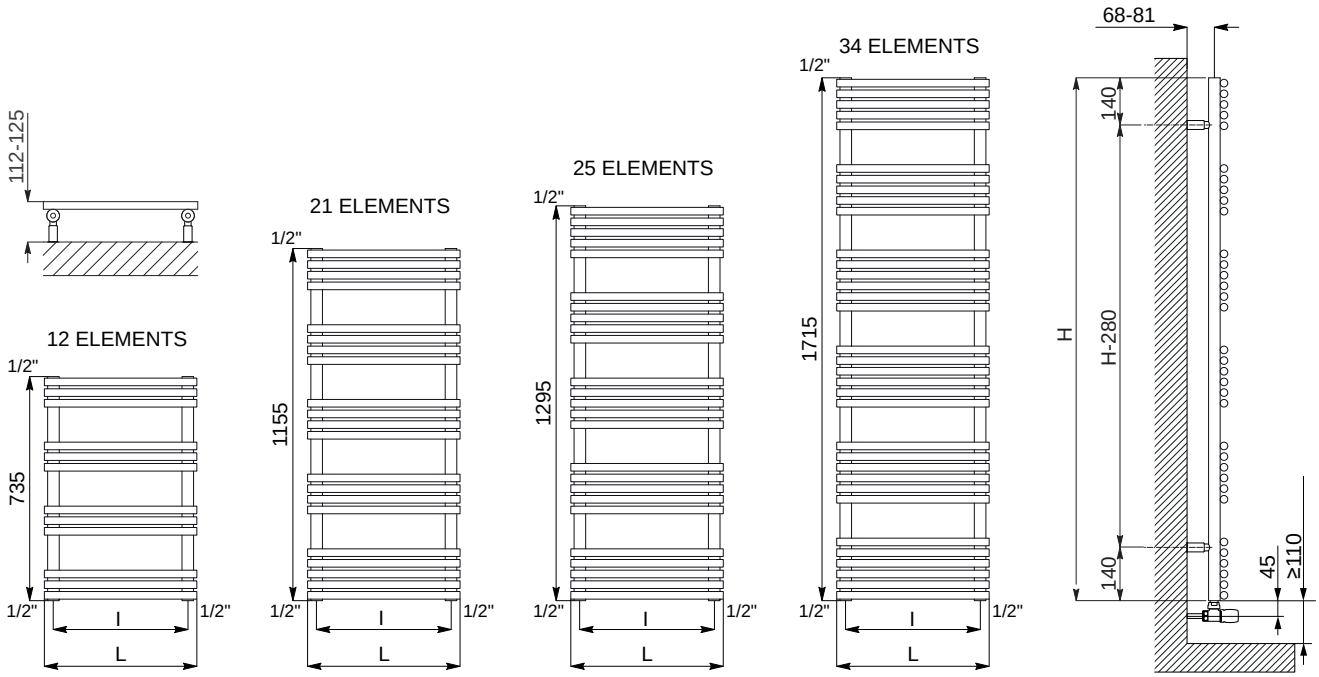
Quotes for square Kristal valves with thermostatic option



Thermostatic head quotes

Accessories and spare parts - see from page 528





Quotes for Kristal valves

SANDY POLISHED STAINLESS STEEL

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
735	400	342	3551440130250	3551440130270	5,8	0,55	3,3	217	117	1,2120	--
	500	442	3551440130254	3551440130274	6,7	0,64	3,8	256	139	1,2020	300
1155	400	342	3551440130251	3551440130271	9,7	0,93	5,6	340	181	1,2357	400
	500	442	3551440130255	3551440130275	11,2	1,10	6,4	408	219	1,2166	500
	600	542	3551440130258	3551440130278	12,7	1,26	7,3	476	257	1,2030	500
	800	742	3551440130261	3551440130281	15,6	1,59	9,0	612	334	1,1850	700
1295	400	342	3551440130252	3551440130272	11,3	1,09	6,5	396	210	1,2462	400
	500	442	3551440130256	3551440130276	13,1	1,29	7,5	475	254	1,2231	500
	600	542	3551440130259	3551440130279	14,9	1,49	8,5	555	300	1,2066	600
	800	742	3551440130262	3551440130282	18,4	1,88	10,5	715	390	1,1849	700
1715	400	342	3551440130253	3551440130273	15,2	1,47	8,7	528	276	1,2699	600
	500	442	3551440130257	3551440130277	17,7	1,75	10,1	630	335	1,2377	700
	600	542	3551440130260	3551440130280	20,1	2,01	11,5	733	394	1,2148	900
	800	742	3551440130263	3551440130283	24,8	2,54	14,2	939	513	1,1845	900

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



LEILA
POLISHED STAINLESS STEEL

page 128

WARRANTY
10 YEARS

MATERIAL:
• Vertical collectors in polished stainless steel ø 30 mm.
• Horizontal elements in polished stainless steel ø 18 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water	☑ Electric (see page 362)	☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE

EURONORM EN 442-1 RADIATORS AND CONVECTORS

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square with thermostatic option-chromed

Copper conn. Ø 12/14/15
Art. nr. 5991990311165

Multilayer conn. Ø 16
Art. nr. 5991990311166



Kristal corner valve with thermostatic option-chromed

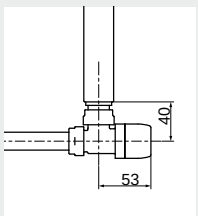
Copper conn. Ø 12/14/15
Art. nr. 5991990301148

Multilayer conn. Ø 16
Art. nr. 5991990301147

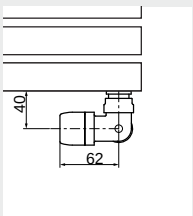


Chromed thermostatic head

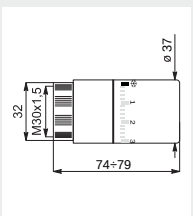
(Kit 2 pieces)
Art. nr. 5035270710015



Quotes for square Kristal valves with thermostatic option

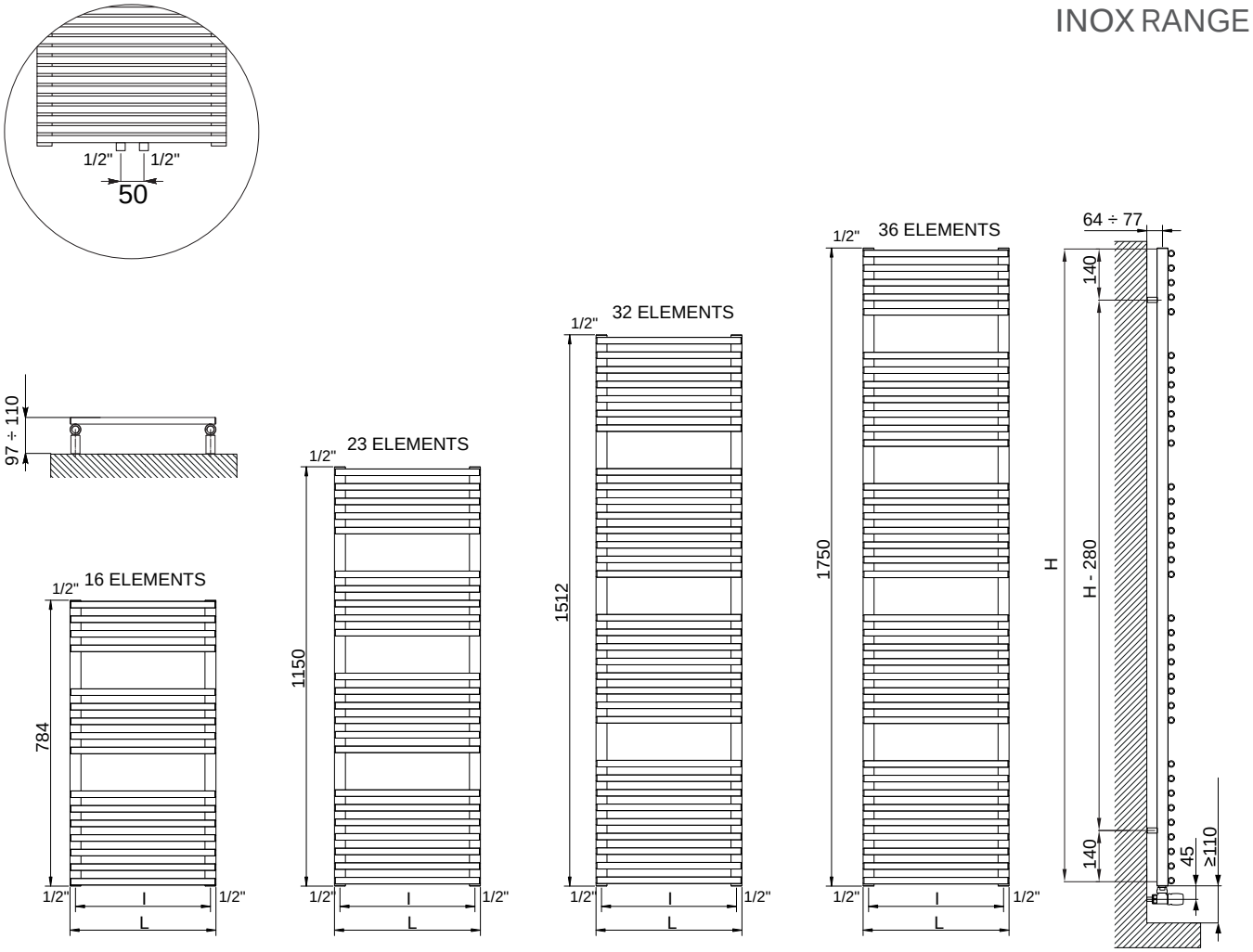


Quotes for corner Kristal valves with thermostatic option



Thermostatic head quotes

Accessories and spare parts - see from page 528



Quotes for Kristal valves

LEILA POLISHED STAINLESS STEEL

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Thermal output [Watt] Dry Weight [Kg]	Surface [m2]	Water content [lt]	Δt=50°C	Δt=30°C	Exp. n	Dual energy kit [Watt]
784	400	370	3551560400001	3551560400051	5,7	0,50	2,0	217	118	1,2007	300
	450	420	3551560400002	3551560400052	6,2	0,55	2,2	237	129	1,1963	300
	500	470	3551560400003	3551560400053	6,6	0,60	2,3	258	140	1,1919	300
	600	570	3551560400005	3551560400055	7,6	0,69	2,6	299	163	1,1831	400
1150	400	370	3551560400006	3551560400056	8,2	0,73	3,0	313	167	1,2306	400
	450	420	3551560400007	3551560400057	8,9	0,82	3,1	342	182	1,2324	400
	500	470	3551560400008	3551560400058	9,6	0,87	3,3	370	197	1,2342	500
	600	570	3551560400010	3551560400060	11,0	0,99	3,7	428	227	1,2378	500
	800	770	3551560400021	3551560400071	13,3	1,27	4,5	544	288	1,2426	700
1512	400	370	3551560400011	3551560400061	11,2	1,00	4,0	416	220	1,2434	500
	450	420	3551560400012	3551560400062	12,1	1,10	4,3	455	242	1,2393	600
	500	470	3551560400013	3551560400063	13,1	1,19	4,6	493	262	1,2352	600
	600	570	3551560400015	3551560400065	15,1	1,37	5,1	570	305	1,2270	700
	800	770	3551560400022	3551560400072	18,3	1,73	6,2	724	389	1,2159	900
1750	400	370	3551560400016	3551560400066	12,7	1,14	4,6	490	259	1,2518	600
	450	420	3551560400017	3551560400067	13,8	1,25	4,9	536	284	1,2438	700
	500	470	3551560400018	3551560400068	14,9	1,34	5,2	581	307	1,2459	700
	600	570	3551560400020	3551560400070	17,1	1,55	5,9	673	361	1,2199	900
	800	770	3551560400023	3551560400073	20,7	1,95	7,1	857	468	1,1852	1200

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



STEFANIA
POLISHED STAINLESS STEEL

page 133

WARRANTY
10 YEARS

MATERIAL:
• Vertical collectors in polished stainless steel ø 30 mm.
• Horizontal elements in polished stainless steel da 30 x10 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water	☑ Electric (see page 364)	☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE

EURONORM EN 442-1 RADIATORS AND CONVECTORS

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square with thermostatic option-chromed

Copper conn. Ø 12/14/15
Art. nr. 5991990311165

Multilayer conn. Ø 16
Art. nr. 5991990311166



Kristal corner valve with thermostatic option-chromed

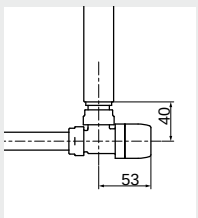
Copper conn. Ø 12/14/15
Art. nr. 5991990301148

Multilayer conn. Ø 16
Art. nr. 5991990301147

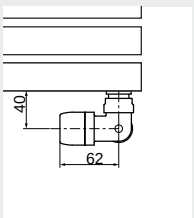


Kit 2 hooks-polished stainless steel

Art. nr. 5991990010218

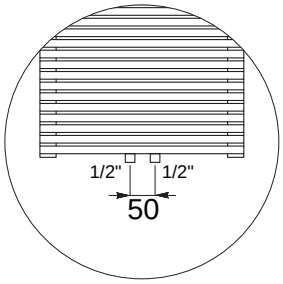


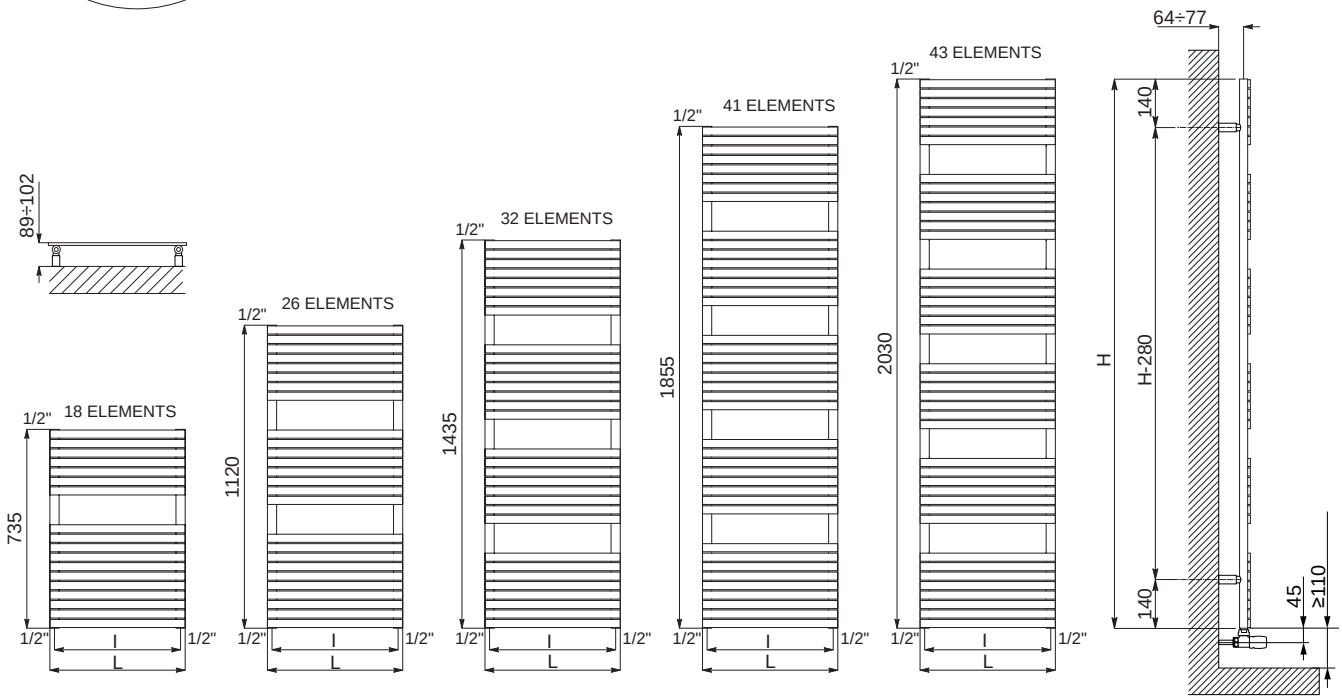
Quotes for square Kristal valves with thermostatic option



Quotes for corner Kristal valves with thermostatic option

Accessories and spare parts - see from page 528





Quotes for Kristal valves

STEFANIA POLISHED STAINLESS STEEL

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Thermal output [Watt] Δt=30°C	Exp. **n**	Dual energy kit [Watt]
735	400	370	3551610130100	3551610130120	8,0	0,71	2,2	218	119	1,1913	300
	500	470	3551610130104	3551610130124	9,5	0,85	2,5	362	197	1,1918	300
1120	400	370	3551610130101	3551610130121	11,6	1,04	3,2	300	161	1,2244	400
	500	470	3551610130105	3551610130125	13,8	1,25	3,7	365	196	1,2194	400
	600	570	3551610130109	3551610130129	16,0	1,45	4,2	431	232	1,216	500
1435	400	370	3551610130102	3551610130122	14,4	1,29	4,0	368	194	1,2492	400
	500	470	3551610130106	3551610130126	17,1	1,55	4,6	450	239	1,2401	500
	600	570	3551610130110	3551610130130	19,8	1,80	5,3	531	283	1,2338	500
1855	400	370	3551610130103	3551610130123	18,4	1,66	5,2	484	251	1,2865	500
	500	470	3551610130107	3551610130127	21,9	1,99	6,0	591	309	1,2712	600
	600	570	3551610130111	3551610130131	25,4	2,32	6,8	697	366	1,2606	700
2030	500	470	3551610130108	3551610130128	23,2	2,10	6,4	625	325	1,2781	700
	600	570	3551610130112	3551610130132	26,8	2,44	7,2	737	386	1,2665	900
	800	770	3551610130113	3551610130133	34,2	3,13	8,8	962	508	1,2515	1200

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



STEFANIA
SATIN STAINLESS STEEL

page 134

WARRANTY
10 YEARS

MATERIAL:
• Vertical collectors in satin stainless steel ø 30 mm.
• Horizontal elements in satin stainless steel da 30 x10 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water		☑ Dual energy (see page 544)

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE

EURONORM EN 442-1 RADIATORS AND CONVECTORS

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square with thermostatic option-satin

Copper conn. Ø 12/14/15
Art. nr. 5991990321143

Multilayer conn. Ø 16
Art. nr. 5991990321144



Kristal corner valve with thermostatic option-satin

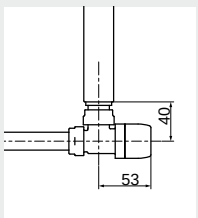
Copper conn. Ø 12/14/15
Art. nr. 5991990321134

Multilayer conn. Ø 16
Art. nr. 5991990321133

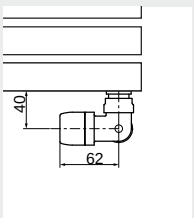


Kit 2 hooks-satin stainless steel

Art. nr. 5991990010219

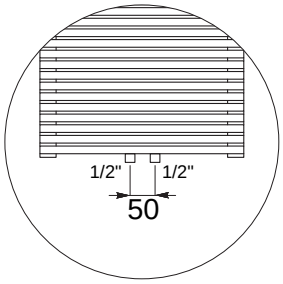


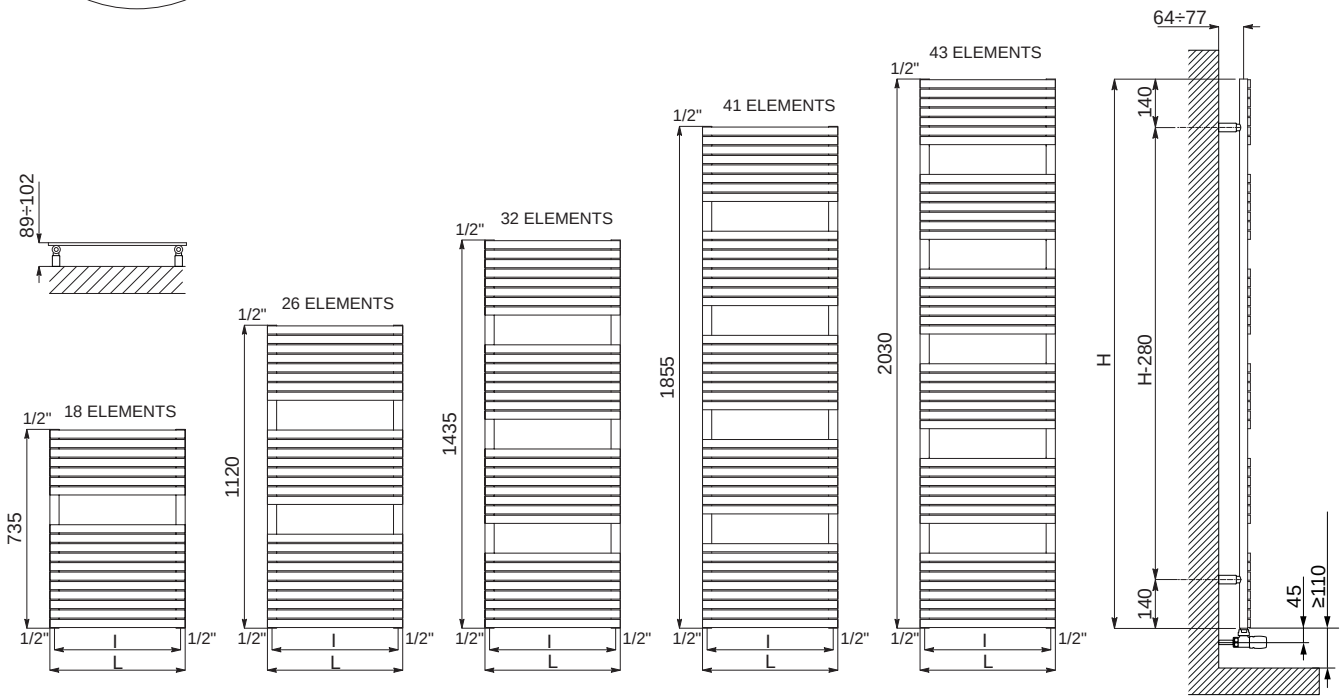
Quotes for square Kristal valves with thermostatic option



Quotes for corner Kristal valves with thermostatic option

Accessories and spare parts - see from page 528





Quotes for Kristal valves

STEFANIA SATIN STAINLESS STEEL

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Pipe Centres 50 mm Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Thermal output [Watt] Δt=30°C	Exp. **n**	Dual energy kit [Watt]
735	400	370	3551610130200	3551610130220	8,0	0,71	2,2	228	123	1,2072	300
	500	470	3551610130204	3551610130224	9,5	0,85	2,5	283	152	1,2128	400
1120	400	370	3551610130201	3551610130221	11,6	1,04	3,2	325	174	1,2285	400
	500	470	3551610130205	3551610130225	13,8	1,25	3,7	399	213	1,2283	500
	600	570	3551610130209	3551610130229	16,0	1,45	4,2	474	253	1,2281	600
1435	400	370	3551610130202	3551610130222	14,4	1,29	4,0	402	213	1,2444	500
	500	470	3551610130206	3551610130226	17,1	1,55	4,6	491	261	1,2398	600
	600	570	3551610130210	3551610130230	19,8	1,80	5,3	579	308	1,2366	700
1855	400	370	3551610130203	3551610130223	18,4	1,66	5,2	529	277	1,2683	700
	500	470	3551610130207	3551610130227	21,9	1,99	6,0	636	335	1,2572	700
	600	570	3551610130211	3551610130231	25,4	2,32	6,8	744	393	1,2493	900
2030	500	470	3551610130208	3551610130228	23,2	2,10	6,4	670	352	1,2611	900
	600	570	3551610130212	3551610130232	26,8	2,44	7,2	782	413	1,2521	900
	800	770	3551610130213	3551610130233	34,2	3,13	8,8	1005	533	1,2401	1200

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



ALESSANDRA
POLISHED/SATIN STAINLESS STEEL

page 136

WARRANTY
10 YEARS

MATERIAL:
• Vertical collectors in polished or satin stainless steel ø 30 mm.
• Horizontal elements in polished or satin stainless steel da 30 x10 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water	☑ Electric (see page 366)	

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE

EURONORM EN 442-1 RADIATORS AND CONVECTORS

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square with thermostatic option-chromed

Copper conn. Ø 12/14/15
Art. nr. 5991990311165

Multilayer conn. Ø 16
Art. nr. 5991990311166



Kristal corner valve with thermostatic option-chromed

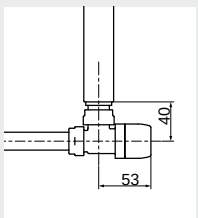
Copper conn. Ø 12/14/15
Art. nr. 5991990301148

Multilayer conn. Ø 16
Art. nr. 5991990301147

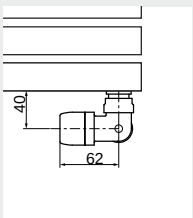


Chromed thermostatic head

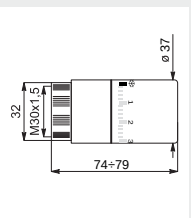
(Kit 2 pieces)
Art. nr. 5035270710015



Quotes for square Kristal valves with thermostatic option

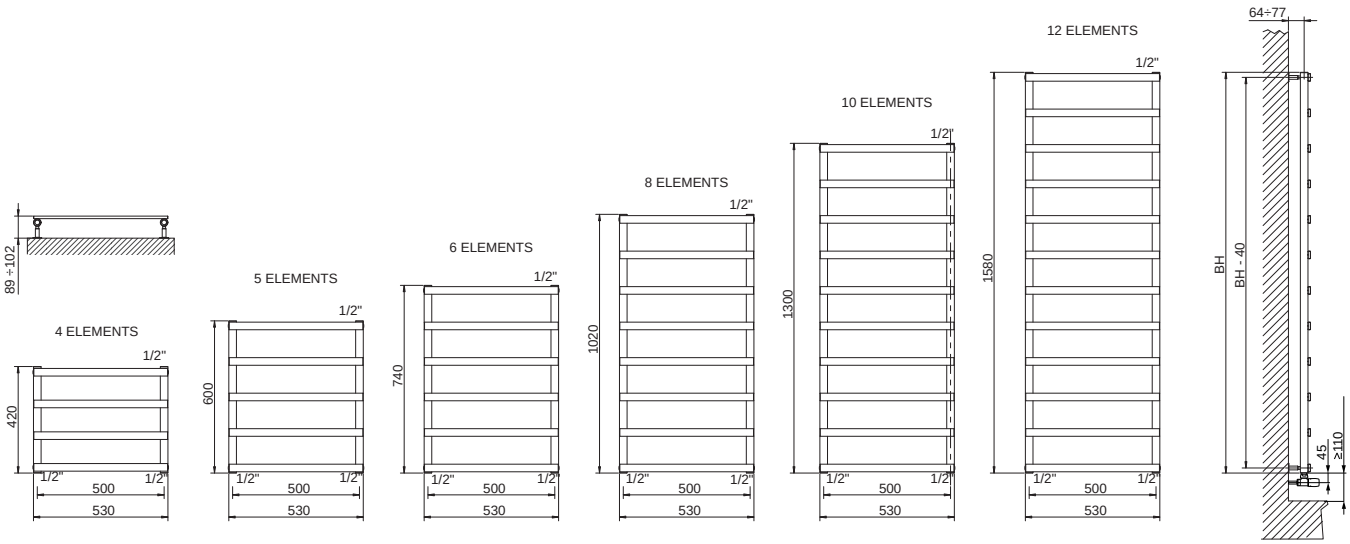


Quotes for corner Kristal valves with thermostatic option



Thermostatic head quotes

Accessories and spare parts - see from page 528



Quotes for Kristal valves

ALESSANDRA POLISHED STAINLESS STEEL

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. **n**
420	530	500	3551680400001	2,49	0,25	0,92	111	61	1,1923
600	530	500	3551680400002	3,25	0,32	1,24	146	79	1,1928
740	530	500	3551680400003	4,01	0,39	1,51	172	91	1,2357
1020	530	500	3551680400004	4,77	0,53	2,05	223	116	1,2751
1300	530	500	3551680400005	5,52	0,66	2,59	276	143	1,2873
1580	530	500	3551680400006	6,27	0,81	3,13	331	171	1,2945

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n

NEW

ALESSANDRA SATIN STAINLESS STEEL

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. **n**
420	530	500	3551680450001	2,49	0,25	0,92	125	70	1,1923
600	530	500	3551680450002	3,25	0,32	1,24	164	92	1,1928
740	530	500	3551680450003	4,01	0,39	1,51	193	108	1,2357
1020	530	500	3551680450004	4,77	0,53	2,05	251	139	1,2751
1300	530	500	3551680450005	5,52	0,66	2,59	310	170	1,2873
1580	530	500	3551680450006	6,27	0,81	3,13	372	201	1,2945

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



LAURA
POLISHED STAINLESS STEEL

page 140

WARRANTY
10 YEARS

MATERIAL:
• Vertical collectors in polished stainless steel ø 30 mm.
• Horizontal elements in polished stainless steel ø 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.
The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

ACCESSORIES:
See page 528

Functioning:	☑ Hot water	☑ Electric (see page 368)	

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

CERTIFICATIONS

CE · EN 442-1 EURONORM RADIATORS AND CONVECTORS · VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

ACCESSORIES



Kristal valve square with thermostatic option-chromed

Copper conn. Ø 12/14/15
Art. nr. 5991990311165

Multilayer conn. Ø 16
Art. nr. 5991990311166



Kristal corner valve with thermostatic option-chromed

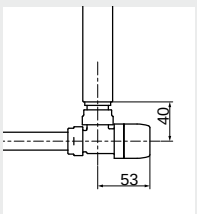
Copper conn. Ø 12/14/15
Art. nr. 5991990301148

Multilayer conn. Ø 16
Art. nr. 5991990301147

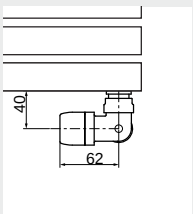


Chromed thermostatic head

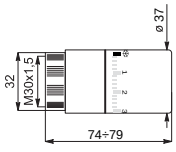
(Kit 2 pieces)
Art. nr. 5035270710015



Quotes for square Kristal valves with thermostatic option

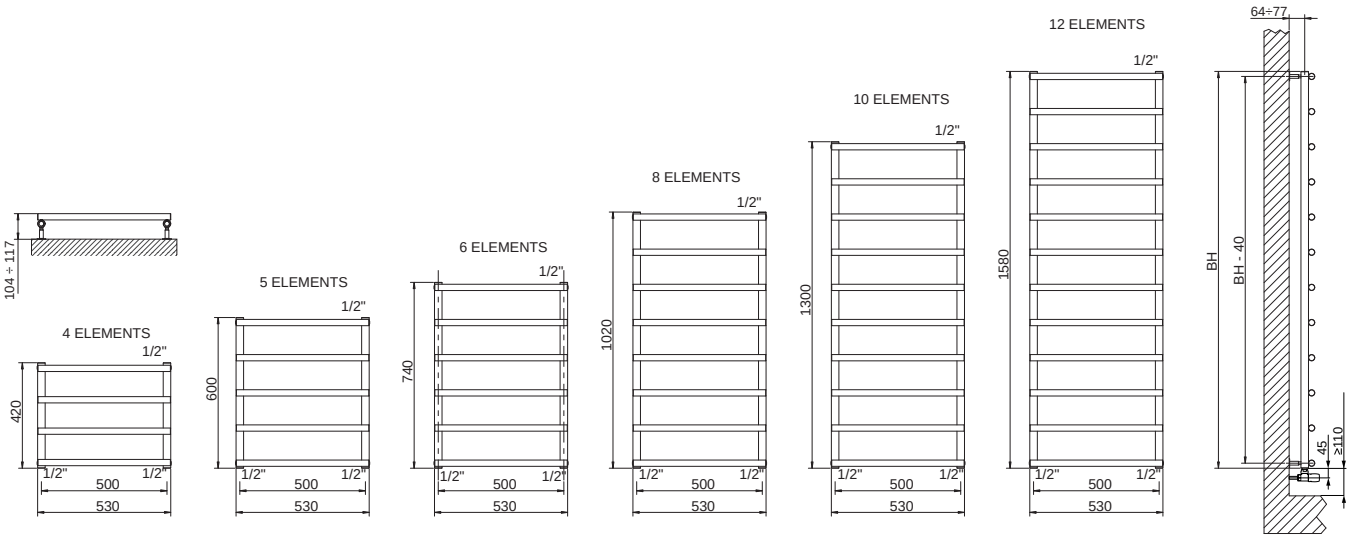


Quotes for corner Kristal valves with thermostatic option



Thermostatic head quotes

Accessories and spare parts - see from page 528



Quotes for Kristal valves

LAURA POLISHED STAINLESS STEEL

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. **n**
420	530	500	3551570400001	2,57	0,25	1,32	94	51	1,2132
600	530	500	3551570400002	3,36	0,32	1,74	117	63	1,2243
740	530	500	3551570400003	4,03	0,39	2,11	141	74	1,2567
1020	530	500	3551570400004	5,41	0,53	2,86	188	98	1,2672
1300	530	500	3551570400005	6,80	0,66	3,60	235	122	1,2846
1580	530	500	3551570400006	8,18	0,80	4,34	282	145	1,3015

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



GIADA POLISHED STAINLESS STEEL VERTICAL

page 144

WARRANTY
10 YEARS

EN 442-1 EURONORM RADIATORS AND CONVECTORS

Radiators, convectors and ceiling-mounted radiant panels, hot water heating, fan assisted and mixed

MATERIAL:
- Horizontal collectors in polished stainless steel, ø 38 mm.
- Vertical elements in polished stainless steel ø 18 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

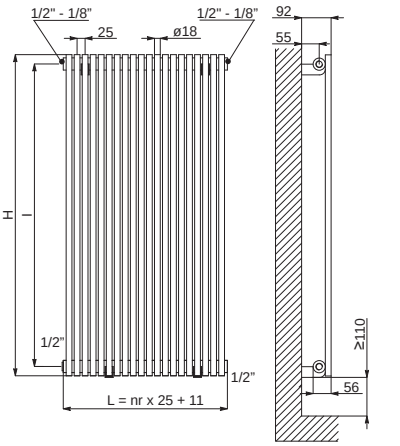
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas

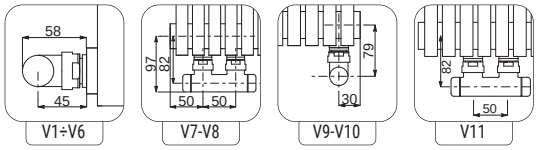
Height H [mm]	400	500	600	800	1000	1200	1400	1500	1600
Therm. output per el. Δt = 50 °C [Watt]	10,6	13,2	16	21,3	26,6	31,6	36,6	39,2	41,3
Therm. output per el. Δt = 30 °C [Watt]	5,3	6,7	8,1	10,8	13,5	16,2	18,7	20	21,2
Dry Weight per section [kg]	0,277	0,327	0,377	0,477	0,576	0,676	0,775	0,826	0,875
Element Water content [lt]	0,147	0,167	0,186	0,225	0,263	0,301	0,339	0,357	0,377
Element surface [m²]	0,029	0,035	0,04	0,051	0,063	0,074	0,085	0,089	0,096
Exp. **n**	1,3347	1,3330	1,329	1,324	1,318	1,312	1,307	1,30342	1,301
Pipe Centres I [mm] (V3-V4 only)	342	442	542	742	942	1142	1342	1442	1542

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

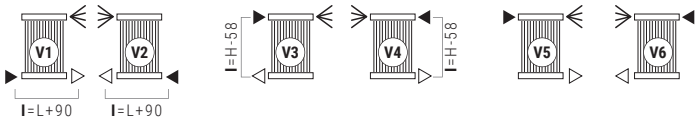
Height H [mm]	1700	1800	1900	2000	2200	2300
Therm. output per el. Δt = 50 °C [Watt]	44,4	45,9	48,4	50,3	54,2	56,6
Therm. output per el. Δt = 30 °C [Watt]	22,5	23,7	24,9	26	28,3	29,4
Dry Weight per section [kg]	0,924	0,974	1,024	1,074	1,173	1,223
Element Water content [lt]	0,397	0,416	0,435	0,454	0,492	0,511
Element surface [m²]	0,103	0,108	0,113	0,119	0,13	0,136
Exp. **n**	1,29774	1,295	1,291	1,289	1,284	1,280
Pipe Centres I [mm] (V3-V4 only)	1642	1742	1842	1942	2142	2242



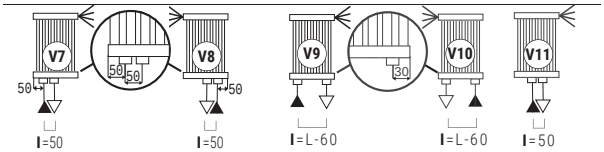
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **GIADA POLISHED STAINLESS STEEL VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Art. nr. finishing	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Giada vertical	Numero elements E.g.: 24 elements	Height in cm Example: 1400 mm	Article code of the connection Example: connection V8	Art. nr. finishing Example: polished stainless steel	Constant value
	GI18	24	140	V08	X01	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
GI18 GIADA VERTICAL
24 24 elements (see the table shown on the side)
140 Height 1400 mm (see the table shown on the side)
V08 connection V8
X01 finishing: polished stainless steel
A (Constant value)
The article code will be:
GI18 24 140 V08 X01 A

ACCESSORIES



Kristal valve square with thermostatic option-chromed

Copper conn. Ø 12/14/15
Art. nr. 5991990311165

Multilayer conn. Ø 16
Art. nr. 5991990311166



Kit 2 hooks-polished stainless steel

Art. nr. 5991990010216



Chromed thermostatic head

(Kit 2 pieces)

Art. nr. 5035270710015

Accessories and spare parts - see from page 528

GIADA POLISHED STAINLESS STEEL VERTICAL

All intermediate sizes are available for heights from 400 to 2300 mm

Height H [mm]		400	500	600	800	1000	1200	1400	1500	1600
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
136	5	53	66	80	107	133	158	183	196	207
161	6	64	79	96	128	160	190	220	235	248
186	7	74	92	112	149	186	221	256	274	289
211	8	85	106	128	170	213	253	293	314	330
236	9	95	119	144	192	239	284	329	353	372
261	10	106	132	160	213	266	316	366	392	413
286	11	117	145	176	234	293	348	403	431	454
311	12	127	158	192	256	319	379	439	470	496
336	13	138	172	208	277	346	411	476	510	537
361	14	148	185	224	298	372	442	512	549	578
386	15	159	198	240	320	399	474	549	588	620
411	16	170	211	256	341	426	506	586	627	661
436	17	180	224	272	362	452	537	622	666	702
461	18	191	238	288	383	479	569	659	706	743
486	19	201	251	304	405	505	600	695	745	785
511	20	212	264	320	426	532	632	732	784	826
536	21	223	277	336	447	559	664	769	823	867
561	22	233	290	352	469	585	695	805	862	909
586	23	244	304	368	490	612	727	842	902	950
611	24	254	317	384	511	638	758	878	941	991
636	25	265	330	400	533	665	790	915	980	1033
661	26	276	343	416	554	692	822	952	1019	1074
686	27	286	356	432	575	718	853	988	1058	1115
711	28	297	370	448	596	745	885	1025	1098	1156
736	29	307	383	464	618	771	916	1061	1137	1198
761	30	318	396	480	639	798	948	1098	1176	1239
786	31	329	409	496	660	825	980	1135	1215	1280
811	32	339	422	512	682	851	1011	1171	1254	1322
836	33	350	436	528	703	878	1043	1208	1294	1363
861	34	360	449	544	724	904	1074	1244	1333	1404
886	35	371	462	560	746	931	1106	1281	1372	1446
911	36	382	475	576	767					
936	37	392	488	592	788					
961	38	403	502	608	809					
986	39	413	515	624	831					
1011	40	424	528	640	852					
1061	42	445	554	672	895					
1111	44	466	581	704	937					

Height H [mm]		1700	1800	1900	2000	2200	2300
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
136	5	222	230	242	252	271	283
161	6	266	275	290	302	325	340
186	7	311	321	339	352	379	396
211	8	355	367	387	402	434	453
236	9	400	413	436	453	488	509
261	10	444	459	484	503	542	566
286	11	488	505	532	553	596	623
311	12	533	551	581	604	650	679
336	13	577	597	629	654	705	736
361	14	622	643	678	704	759	792
386	15	666	689	726	755	813	849
411	16	710	734	774	805	867	906
436	17	755	780	823	855	921	962
461	18	799	826	871	905	976	1019
486	19	844	872	920	956	1030	1075
511	20	888	918	968	1006	1084	1132
536	21	932	964	1016	1056	1138	1189
561	22	977	1010	1065	1107	1192	1245
586	23	1021	1056	1113	1157	1247	1302
611	24	1066	1102	1162	1207	1301	1358
636	25	1110	1148	1210	1258	1355	1415
661	26	1154	1193	1258	1308	1409	1472
686	27	1199	1239	1307	1358	1463	1528
711	28	1243	1285	1355	1408	1518	1585
736	29	1288	1331	1404	1459	1572	1641
761	30	1332	1377	1452	1509	1626	1698
786	31	1376	1423	1500	1559	1680	1755
811	32	1421	1469	1549	1610	1734	1811
836	33	1465	1515	1597	1660	1789	1868
861	34	1510	1561	1646	1710	1843	1924
886	35	1554	1607	1694	1761	1897	1981



GIADA POLISHED STAINLESS STEEL HORIZONTAL

page 146

WARRANTY
10 YEARS

MATERIAL:
• Vertical collectors in polished stainless steel, ø 38 mm.
• Horizontal elements in polished stainless steel ø 18 mm.
FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.

The kit is certified from TÜV in compliance with VDI 6036-class 4.
PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

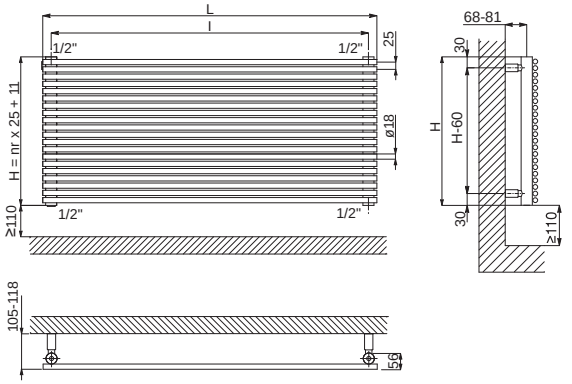
FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

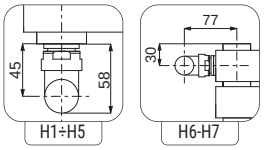
WIDTH L [mm]	400	500	600	800	1000	1200	1400	1500
Dry Weight per section [kg]	0,315	0,374	0,434	0,493	0,552	0,670	0,789	0,907
Element Water content [lt]	0,209	0,250	0,292	0,333	0,375	0,458	0,541	0,624
Element surface [m2]	0,038	0,046	0,054	0,062	0,070	0,086	0,101	0,117
Pipe Centres I [mm] (H1 only)	342	442	542	742	942	1142	1342	1442

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

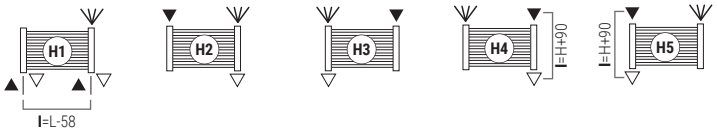
WIDTH L [mm]	1600	1700	1800	1900	2000	2200	2300
Dry Weight per section [kg]	0,967	1,026	1,085	1,144	1,204	1,263	1,322
Element Water content [lt]	0,666	0,707	0,749	0,790	0,832	0,873	0,915
Element surface [m2]	0,125	0,133	0,140	0,148	0,156	0,164	0,172
Pipe Centres I [mm] (H1 only)	1542	1642	1742	1842	1942	2142	2242



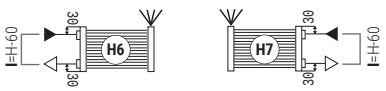
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **GIADA POLISHED STAINLESS STEEL HORIZONTAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	WIDTH in cm	Article code of the connection	Art. nr. finishing	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Giada horizontal	Numero elements E.g.: 24 elements	WIDTH in cm Example: 800 mm	Article code of the connection Example: connection H1	Art. nr. finishing Example: polished stainless steel	Constant value
	GI18	24	080	H01	X01	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
GI18 GIADA HORIZONTAL
24 24 elements (see the table shown on the side)
080 WIDTH 800 mm (see the table shown on the side)
H01 connection H1
X01 finishing: polished stainless steel
A (Constant value)
The article code will be:
GI18 24 080 H01 X01 A

ACCESSORI



Kristal valve square with thermostatic option-chromed

Copper conn. Ø 12/14/15
Art. nr. 5991990311165

Multilayer conn. Ø 16
Art. nr. 5991990311166



Kristal valve corner with thermostatic option-chromed

Copper conn. Ø 12/14/15
Art. nr. 5991990301148

Multilayer conn. Ø 16
Art. nr. 5991990301147



Chromed thermostatic head

(Kit 2 pieces)

Art. nr. 5035270710015

Accessories and spare parts - see from page 528

GIADA POLISHED STAINLESS STEEL HORIZONTAL

All intermediate sizes are available for widths from 400 to 2300 mm

WIDTH L [mm]		400	500	600	800	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
136	5	54	67	81	108	135	161	188	202	72,5	1,2175
161	6	65	81	97	130	162	195	227	243	86,6	1,2263
186	7	76	95	114	152	191	229	267	286	101,6	1,2350
211	8	88	109	131	175	219	263	306	328	116,0	1,2437
236	9	59	74	88	118	147	177	206	221	130,9	1,2429
261	10	110	138	166	221	276	331	386	414	146,3	1,2421
286	11	122	152	183	244	305	366	427	457	161,8	1,2413
311	12	134	167	200	267	334	401	468	501	177,2	1,2405
336	13	145	181	217	290	362	434	507	543	192,2	1,2397
361	14	156	196	235	313	391	469	547	587	207,6	1,2389
386	15	168	210	252	336	420	504	588	630	223,1	1,2381
411	16	179	224	269	358	448	538	627	672	238,1	1,2373
436	17	191	239	286	382	477	572	668	716	253,6	1,2366
461	18	202	253	303	404	505	606	707	758	268,6	1,2358
486	19	214	267	320	427	534	641	748	801	284,2	1,2350
511	20	225	281	337	450	562	674	787	843	299,2	1,2342
536	21	236	295	354	472	590	708	826	885	314,2	1,2334
561	22	247	309	371	494	618	742	865	927	329,3	1,2326
586	23	258	323	387	516	645	774	903	968	343,8	1,2318
611	24	269	337	404	538	673	808	942	1010	358,8	1,2311
636	25	280	350	420	560	700	840	980	1050	373,4	1,2303
661	26	291	364	437	582	728	874	1019	1092	388,5	1,2295
686	27	302	378	453	604	755	906	1057	1133	403,1	1,2287
711	28	313	391	469	626	782	938	1095	1173	417,6	1,2279
736	29	323	404	485	646	808	970	1131	1212	431,7	1,2271
761	30	334	418	501	668	835	1002	1169	1253	446,3	1,2263
786	31	344	431	517	689	861	1033	1205	1292	460,4	1,2255
811	32	355	444	532	710	887	1064	1242	1331	474,5	1,2247
836	33	365	457	548	730	913	1096	1278	1370	488,6	1,2239
861	34	375	469	563	750	938	1126	1313	1407	502,2	1,2232
886	35	386	482	578	771	964	1157	1350	1446	516,3	1,2224
911	36	395	494	593	791					529,9	1,2216
936	37	405	507	608	811					543,5	1,2208
961	38	415	519	623	831					556,6	1,2201
986	39	425	531	638	850					570,2	1,2193
1011	40	435	544	652	870					583,3	1,2185
1061	42	454	567	681	908					610,2	1,2149
1111	44	473	591	709	945					636,7	1,2111

WIDTH L [mm]		1600	1700	1800	1900	2000	2200	2300	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
136	5	215	229	242	256	269	296	309	72,5	1,2175
161	6	260	276	292	308	325	357	373	86,6	1,2263
186	7	305	324	343	362	381	419	438	101,6	1,2350
211	8	350	372	394	416	438	481	503	116,0	1,2437
236	9	236	251	265	280	295	324	339	130,9	1,2429
261	10	442	469	497	524	552	607	635	146,3	1,2421
286	11	488	518	549	579	610	671	701	161,8	1,2413
311	12	534	568	601	635	668	735	768	177,2	1,2405
336	13	579	615	652	688	724	796	833	192,2	1,2397
361	14	626	665	704	743	782	860	899	207,6	1,2389
386	15	672	714	756	798	840	924	966	223,1	1,2381
411	16	717	762	806	851	896	986	1030	238,1	1,2373
436	17	763	811	859	906	954	1049	1097	253,6	1,2366
461	18	808	859	909	960	1010	1111	1162	268,6	1,2358
486	19	854	908	961	1015	1068	1175	1228	284,2	1,2350
511	20	899	955	1012	1068	1124	1236	1293	299,2	1,2342
536	21	944	1003	1062	1121	1180	1298	1357	314,2	1,2334
561	22	989	1051	1112	1174	1236	1360	1421	329,3	1,2326
586	23	1032	1097	1161	1226	1290	1419	1484	343,8	1,2318
611	24	1077	1144	1211	1279	1346	1481	1548	358,8	1,2311
636	25	1120	1190	1260	1330	1400	1540	1610	373,4	1,2303
661	26	1165	1238	1310	1383	1456	1602	1674	388,5	1,2295
686	27	1208	1284	1359	1435	1510	1661	1737	403,1	1,2287
711	28	1251	1329	1408	1486	1564	1720	1799	417,6	1,2279
736	29	1293	1374	1454	1535	1616	1778	1858	431,7	1,2271
761	30	1336	1420	1503	1587	1670	1837	1921	446,3	1,2263
786	31	1378	1464	1550	1636	1722	1894	1980	460,4	1,2255
811	32	1419	1508	1597	1685	1774	1951	2040	474,5	1,2247
836	33	1461	1552	1643	1735	1826	2009	2100	488,6	1,2239
861	34	1501	1595	1688	1782	1876	2064	2157	502,2	1,2232
886	35	1542	1639	1735	1832	1928	2121	2217	516,3	1,2224



GIADA SATIN STAINLESS STEEL VERTICAL

page 148

WARRANTY
10 YEARS

Radiators, convectors and ceiling-mounted radiant panels, hot water heating, fan assisted and mixed

MATERIAL:
• Horizontal collectors in satin stainless steel, ø 38 mm.
• Vertical elements in satin stainless steel ø 18 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

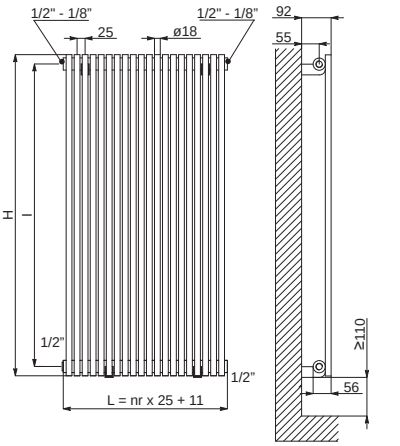
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas

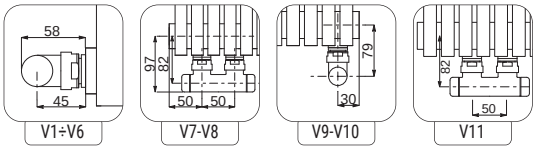
Height H [mm]	400	500	600	800	1000	1200	1400	1500	1600
Therm. output per el. Δt = 50 °C [Watt]	11,52	14	16,4	21,2	25,9	30,5	35,1	37,4	39,7
Therm. output per el. Δt = 30 °C [Watt]	6	7,2	8,5	10,9	13,3	15,7	18	19,2	20,4
Dry Weight per section [kg]	0,277	0,327	0,377	0,477	0,576	0,676	0,775	0,826	0,875
Element Water content [lt]	0,147	0,167	0,186	0,225	0,263	0,301	0,339	0,357	0,377
Element surface [m²]	0,029	0,035	0,04	0,051	0,063	0,074	0,085	0,089	0,096
Exp. **n**	1,2622	1,2695	1,2767	1,2912	1,3056	1,3201	1,3146	1,3119	1,3091
Pipe Centres I [mm] (V3-V4 only)	342	442	542	742	942	1142	1342	1442	1542

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

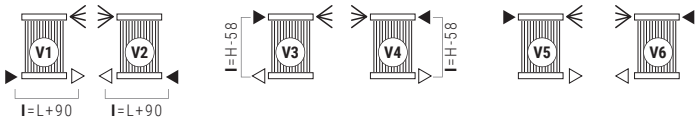
Height H [mm]	1700	1800	1900	2000
Therm. output per el. Δt = 50 °C [Watt]	41,9	44,2	46,5	48,8
Therm. output per el. Δt = 30 °C [Watt]	21,5	22,7	23,9	25
Dry Weight per section [kg]	0,924	0,974	1,024	1,074
Element Water content [lt]	0,397	0,416	0,435	0,454
Element surface [m²]	0,103	0,108	0,113	0,119
Exp. **n**	1,3064	1,3036	1,3062	1,3088
Pipe Centres I [mm] (V3-V4 only)	1642	1742	1842	1942



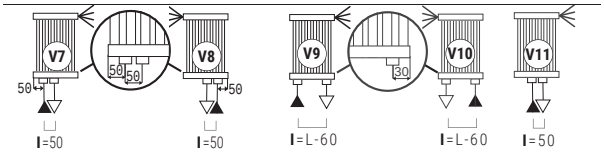
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **GIADA SATIN STAINLESS STEEL VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Art. nr. finishing	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Giada vertical	Numero elements E.g.: 24 elements	Height in cm Example: 1600 mm	Article code of the connection Example: connection V8	Art. nr. finishing E.g.: satin stainless steel	Constant value
	GI18	24	160	V08	X02	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
GI18 GIADA VERTICAL
24 24 elements (see the table shown on the side)
160 Height 1600 mm (see the table shown on the side)
V08 connection V8
X02 finishing: satin stainless steel
A (Constant value)
The article code will be:
GI18 24 160 V08 X02 A

ACCESSORIES



Kristal valve square with thermostatic option-satin

Copper conn. Ø 12/14/15
Art. nr. 5991990321143

Multilayer conn. Ø 16
Art. nr. 5991990321144



Kit 2 hooks-satin stainless steel

Art. nr. 5991990010222



Satin thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710018

Accessories and spare parts - see from page 528

GIADA SATIN STAINLESS STEEL VERTICAL

All intermediate sizes are available for heights from 400 to 2000 mm

Height H [mm]		400	500	600	800	1000	1200	1400	1500	1600
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
136	5	58	70	82	106	129	152	175	187	198
161	6	69	84	99	127	155	183	210	224	238
186	7	81	98	115	148	181	213	246	262	278
211	8	92	112	131	170	207	244	281	299	317
236	9	104	126	148	191	233	274	316	336	357
261	10	115	140	164	212	259	305	351	374	397
286	11	127	154	181	233	285	335	386	411	436
311	12	138	168	197	254	310	366	421	448	476
336	13	150	182	214	276	336	396	456	486	515
361	14	161	196	230	297	362	427	491	523	555
386	15	173	210	246	318	388	457	526	561	595
411	16	184	224	263	339	414	488	561	598	634
436	17	196	238	279	360	440	518	596	635	674
461	18	207	252	296	382	466	549	631	673	714
486	19	219	266	312	403	492	579	667	710	753
511	20	230	280	329	424	517	610	702	747	793
536	21	242	294	345	445	543	640	737	785	833
561	22	253	308	361	466	569	671	772	822	872
586	23	265	322	378	488	595	701	807	860	912
611	24	276	336	394	509	621	732	842	897	952
636	25	288	350	411	530	647	762	877	934	991
661	26	300	364	427	551	673	793	912	972	1031
686	27	311	378	444	572	698	823	947	1009	1071
711	28	323	392	460	594	724	854	982	1046	1110
736	29	334	406	476	615	750	884	1017	1084	1150
761	30	346	420	493	636	776	915	1052	1121	1190
786	31	357	434	509	657	802	945	1087	1158	1229
811	32	369	448	526	678	828	976	1123	1196	1269
836	33	380	462	542	700	854	1006	1158	1233	1308
861	34	392	476	559	721	880	1037	1193	1271	1348
886	35	403	490	575	742	905	1067	1228	1308	1388

Height H [mm]		1700	1800	1900	2000
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
136	5	210	221	233	244
161	6	252	265	279	293
186	7	294	309	326	341
211	8	335	354	372	390
236	9	377	398	419	439
261	10	419	442	465	488
286	11	461	486	512	537
311	12	503	531	558	585
336	13	545	575	605	634
361	14	587	619	651	683
386	15	629	663	698	732
411	16	671	707	744	780
436	17	713	752	791	829
461	18	755	796	837	878
486	19	797	840	884	927
511	20	839	884	930	976
536	21	881	928	977	1024
561	22	922	973	1023	1073
586	23	964	1017	1070	1122
611	24	1006	1061	1116	1171
636	25	1048	1105	1163	1220
661	26	1090	1149	1209	1268
686	27	1132	1194	1256	1317
711	28	1174	1238	1302	1366
736	29	1216	1282	1349	1415
761	30	1258	1326	1395	1463
786	31	1300	1371	1442	1512
811	32	1342	1415	1488	1561
836	33	1384	1459	1535	1610
861	34	1426	1503	1581	1659
886	35	1468	1547	1628	1707



GIADA SATIN STAINLESS STEEL HORIZONTAL

page 150

WARRANTY
10 YEARS

MATERIAL:
- Vertical collectors in satin stainless steel, ø 38 mm.
- Horizontal elements in satin stainless steel ø 18 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.

The kit is certified from TÜV in compliance with VDI 6036-class 4.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.

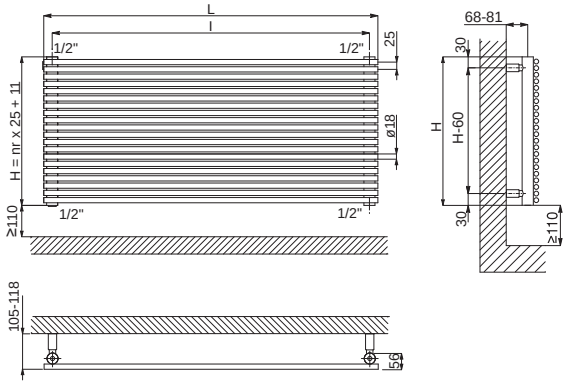
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

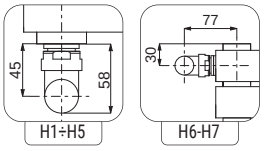
WIDTH L [mm]	400	500	600	800	1000	1200	1400	1500
Dry Weight per section [kg]	0,315	0,374	0,434	0,493	0,552	0,670	0,789	0,907
Element Water content [lt]	0,209	0,250	0,292	0,333	0,375	0,458	0,541	0,624
Element surface [m2]	0,038	0,046	0,054	0,062	0,070	0,086	0,101	0,117
Pipe Centres I [mm] (H1 only)	342	442	542	742	942	1142	1342	1442

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

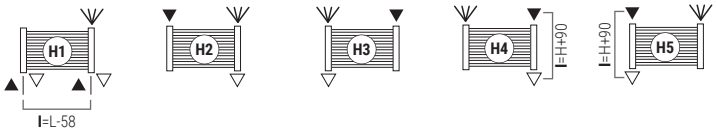
WIDTH L [mm]	1600	1700	1800	1900	2000
Dry Weight per section [kg]	0,967	1,026	1,085	1,144	1,204
Element Water content [lt]	0,666	0,707	0,749	0,790	0,832
Element surface [m2]	0,125	0,133	0,140	0,148	0,156
Pipe Centres I [mm] (H1 only)	1542	1642	1742	1842	1942



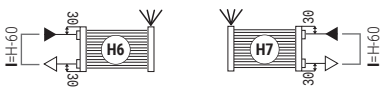
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **GIADA SATIN STAINLESS STEEL HORIZONTAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	WIDTH in cm	Article code of the connection	Art. nr. finishing	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Giada horizontal	Numero elements E.g.: 24 elements	WIDTH in cm Example: 1200 mm	Article code of the connection Example: connection H1	Art. nr. finishing E.g.: satin stainless steel	Constant value
	GI18	24	120	H01	X02	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
GI18 GIADA HORIZONTAL
24 24 elements (see the table shown on the side)
120 WIDTH 1200 mm (see the table shown on the side)
H01 connection H1
X02 finishing: satin stainless steel
A (Constant value)
The article code will be:
GI18 24 120 H01 X02 A

ACCESSORIES



Kristal valve square with thermostatic option-satin

Copper conn. Ø 12/14/15
Art. nr. 5991990321143

Multilayer conn. Ø 16
Art. nr. 5991990321144



Kristal valve corner with thermostatic option-satin

Copper conn. Ø 12/14/15
Art. nr. 5991990321134

Multilayer conn. Ø 16
Art. nr. 5991990321133



Kit 2 hooks-satin stainless steel

Art. nr. 5991990010222

Accessories and spare parts - see from page 528

GIADA SATIN STAINLESS STEEL HORIZONTAL

All intermediate sizes are available for widths from 400 to 2000 mm

WIDTH L [mm]		400	500	600	800	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
136	5	57	71	85	114	142	171	199	213	76,9	1,2012
161	6	68	85	102	137	171	205	239	256	92,6	1,2018
186	7	80	100	120	160	200	240	280	300	108,2	1,2024
211	8	92	114	137	183	229	275	320	343	123,9	1,2029
236	9	103	129	155	206	258	310	361	387	139,5	1,2035
261	10	115	144	173	230	288	345	403	431	155,7	1,2041
286	11	127	158	190	254	317	380	444	475	171,3	1,2047
311	12	138	173	208	277	346	415	484	519	186,9	1,2052
336	13	150	188	226	301	376	451	526	564	203,1	1,2058
361	14	162	203	243	324	405	486	567	608	218,7	1,2064
386	15	174	218	261	348	435	522	609	653	234,8	1,2069
411	16	186	232	278	371	464	557	650	696	250,4	1,2075
436	17	198	247	296	395	494	593	692	741	266,5	1,2081
461	18	209	262	314	418	523	628	732	785	282,1	1,2087
486	19	221	276	331	442	552	662	773	828	297,6	1,2092
511	20	232	291	349	465	581	697	813	872	313,2	1,2098
536	21	244	305	366	488	610	732	854	915	328,7	1,2104
561	22	256	320	383	511	639	767	895	959	344,2	1,2110
586	23	267	334	401	534	668	802	935	1002	359,8	1,2115
611	24	279	349	418	558	697	836	976	1046	375,3	1,2121
636	25	290	363	435	580	725	870	1015	1088	390,2	1,2127
661	26	302	377	452	603	754	905	1056	1131	405,7	1,2133
686	27	313	391	469	626	782	938	1095	1173	420,7	1,2138
711	28	324	406	487	649	811	973	1135	1217	436,1	1,2144
736	29	336	420	503	671	839	1007	1175	1259	451,0	1,2150
761	30	347	434	520	694	867	1040	1214	1301	466,0	1,2156
786	31	358	447	536	715	894	1073	1252	1341	480,7	1,2146
811	32	369	461	553	738	922	1106	1291	1383	496,0	1,2136
836	33	380	475	570	760	950	1140	1330	1425	511,3	1,2126
861	34	391	489	586	782	977	1172	1368	1466	526,1	1,2116
886	35	402	502	602	803	1004	1205	1406	1506	540,9	1,2107

WIDTH L [mm]		1600	1700	1800	1900	2000	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
136	5	228	242	256	270	284	76,9	1,2012
161	6	273	290	307	325	342	92,6	1,2018
186	7	320	339	359	379	399	108,2	1,2024
211	8	366	389	412	435	458	123,9	1,2029
236	9	413	439	465	490	516	139,5	1,2035
261	10	460	489	518	546	575	155,7	1,2041
286	11	507	539	570	602	634	171,3	1,2047
311	12	554	588	623	657	692	186,9	1,2052
336	13	602	639	677	714	752	203,1	1,2058
361	14	648	689	729	770	810	218,7	1,2064
386	15	696	740	783	827	870	234,8	1,2069
411	16	742	789	835	882	928	250,4	1,2075
436	17	790	840	889	939	988	266,5	1,2081
461	18	837	889	941	994	1046	282,1	1,2087
486	19	883	938	994	1049	1104	297,6	1,2092
511	20	930	988	1046	1104	1162	313,2	1,2098
536	21	976	1037	1098	1159	1220	328,7	1,2104
561	22	1022	1086	1150	1214	1278	344,2	1,2110
586	23	1069	1136	1202	1269	1336	359,8	1,2115
611	24	1115	1185	1255	1324	1394	375,3	1,2121
636	25	1160	1233	1305	1378	1450	390,2	1,2127
661	26	1206	1282	1357	1433	1508	405,7	1,2133
686	27	1251	1329	1408	1486	1564	420,7	1,2138
711	28	1298	1379	1460	1541	1622	436,1	1,2144
736	29	1342	1426	1510	1594	1678	451,0	1,2150
761	30	1387	1474	1561	1647	1734	466,0	1,2156
786	31	1430	1520	1609	1699	1788	480,7	1,2146
811	32	1475	1567	1660	1752	1844	496,0	1,2136
836	33	1520	1615	1710	1805	1900	511,3	1,2126
861	34	1563	1661	1759	1856	1954	526,1	1,2116
886	35	1606	1707	1807	1908	2008	540,9	1,2107



ELSA POLISHED STAINLESS STEEL

page 152

WARRANTY
10 YEARS

MATERIAL:
• Horizontal collectors in polished stainless steel, ø 30 mm.
• Vertical elements in polished stainless steel ø 38 mm.
FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick, user notice.

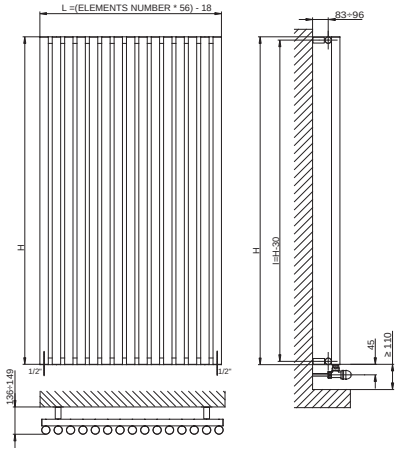
The kit is certified from TÜV in compliance with VDI 6036-class 4.
PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

FEATURES:
It is totally made in stainless steel with an unalterable finishing guaranteed during the years.
ACCESSORIES
See page 528

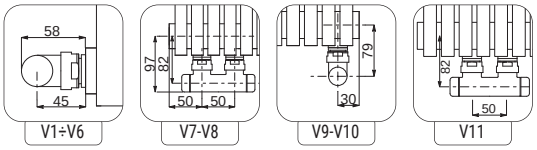
P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas

Height H [mm]	1800	2000
Therm. output per el. Δt = 50 °C [Watt]	81	90
Therm. output per el. Δt = 30 °C [Watt]	35	46,9
Dry Weight per section [kg]	2,48	2,75
Element Water content [lt]	1,82	1,95
Element surface [m²]	0,225	0,249
Exp. **n**	1,2842	1,2759
Pipe Centres I [mm] (V3-V4 only)	1770	1970

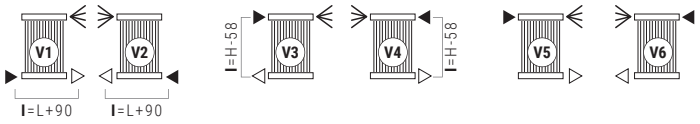
For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n



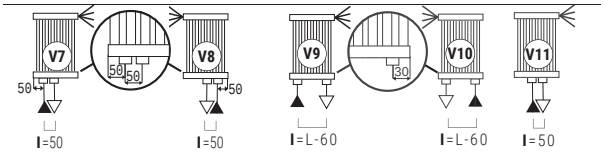
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ELSA POLISHED STAINLESS STEEL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Art. nr. finishing	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Elsa	Numero elements E.g.: 7 elements	Height in cm Example: 2000 mm	Article code of the connection Example: connection V1	Art. nr. finishing Example: polished stainless steel	Constant value
	EL38	07	200	V01	X01	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
EL38 ELSA POLISHED STAINLESS STEEL
07 7 elements (see the table shown on the side)
200 Height 2000 mm (see the table shown on the side)
V01 connection V1
X01 finishing: polished stainless steel
A (Constant value)
The article code will be:
EL38 07 200 V01 X01 A

ACCESSORIES



Kristal valve square with thermostatic option-chromed

Copper conn. Ø 12/14/15
Art. nr. 5991990311165

Multilayer conn. Ø 16
Art. nr. 5991990311166



Kristal valve corner with thermostatic option-chromed

Copper conn. Ø 12/14/15
Art. nr. 5991990301148

Multilayer conn. Ø 16
Art. nr. 5991990301147



Chromed thermostatic head

(Kit 2 pieces)

Art. nr. 5035270710015

Accessories and spare parts - see from page 528

ELSA POLISHED STAINLESS STEEL

Art. nr.	Height H [mm]		1800	
	WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=30°C
EL38 07 180 DDD X01 A	**374**	7	567	630
EL38 08 180 DDD X01 A	**430**	8	648	720
EL38 09 180 DDD X01 A	**486**	9	729	810
EL38 10 180 DDD X01 A	**542**	10	810	900
EL38 11 180 DDD X01 A	**598**	11	891	990
EL38 12 180 DDD X01 A	**654**	12	972	1080
EL38 13 180 DDD X01 A	**710**	13	1053	1170
EL38 14 180 DDD X01 A	**766**	14	1134	1260
EL38 15 180 DDD X01 A	**822**	15	1215	1350

DDD: replace with the connection code

Art. nr.	Height H [mm]		2000	
	WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=30°C
EL38 07 200 DDD X01 A	**374**	7	630	328
EL38 08 200 DDD X01 A	**430**	8	720	375
EL38 09 200 DDD X01 A	**486**	9	810	422
EL38 10 200 DDD X01 A	**542**	10	900	469
EL38 11 200 DDD X01 A	**598**	11	990	516
EL38 12 200 DDD X01 A	**654**	12	1080	563
EL38 13 200 DDD X01 A	**710**	13	1170	610
EL38 14 200 DDD X01 A	**766**	14	1260	657
EL38 15 200 DDD X01 A	**822**	15	1350	704

DDD: replace with the connection code



ROSY VERTICAL

page 156

EUROPEAN WARRANTY

MATERIAL:
- Horizontal collectors in painted mild steel ø 38 mm.
- Vertical heating elements in painted mild steel 50 x 10 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

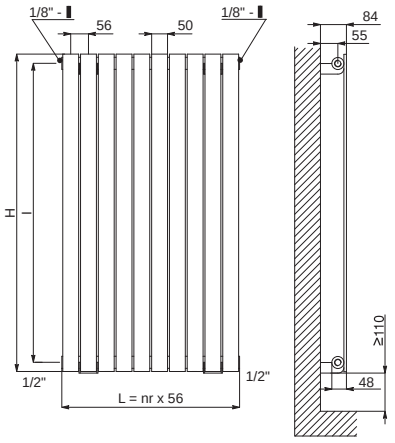
ACCESSORIES
See page 528

P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

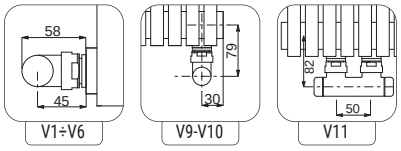
Height H [mm]	400	500	600	700	800	1000	1200	1400	1500
Therm. output per el. Δt = 50 °C [Watt]	28	34,6	41,1	47,5	53,8	66,3	78,6	90,6	96,5
Therm. output per el. Δt = 30 °C [Watt]	14,5	17,9	21,2	24,6	27,8	34,3	40,7	47,0	50,0
Dry Weight per section [kg]	0,557	0,666	0,775	0,883	0,992	1,210	1,427	1,645	1,753
Element Water content [lt]	0,256	0,292	0,329	0,365	0,401	0,474	0,546	0,619	0,655
Element surface [m²]	0,061	0,073	0,085	0,097	0,109	0,133	0,157	0,181	0,193
Exp. **n**	1,2935	1,2928	1,2922	1,2914	1,2907	1,2894	1,2881	1,2867	1,2860
Pipe Centres I [mm] (V3-V4 only)	342	442	542	642	742	942	1142	1342	1442

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

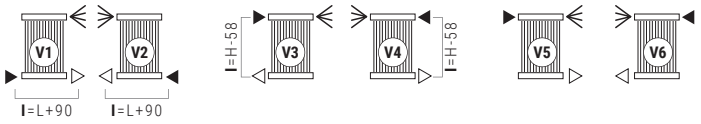
Height H [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	102	108	114	120	126	131	137	142	153
Therm. output per el. Δt = 30 °C [Watt]	52,9	56,0	59,2	62,3	65,4	68,1	71,2	73,8	79,6
Dry Weight per section [kg]	1,862	1,971	2,080	2,188	2,297	2,406	2,515	2,623	2,841
Element Water content [lt]	0,691	0,727	0,764	0,800	0,836	0,872	0,909	0,945	1,017
Element surface [m²]	0,205	0,217	0,229	0,241	0,253	0,265	0,277	0,289	0,313
Exp. **n**	1,2854	1,2847	1,2840	1,2833	1,2826	1,2820	1,2813	1,2806	1,2792
Pipe Centres I [mm] (V3-V4 only)	1542	1642	1742	1842	1942	2042	2142	2242	2442



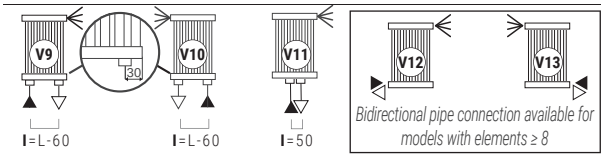
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋖ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.

HOW TO ORDER THE RADIATOR **ROSY VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Rosy vertical	Numero elements E.g.: 12 elements	Height in cm Example: 1500 mm	Article code of the connection Example: connection V1	Article code of the colour Example: R01 - White	Constant value
	RO50	12	150	V01	R01	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
RO50 ROSY VERTICAL
12 12 elements (see the table shown on the side)
150 Height 1500 mm (see the table shown on the side)
V01 connection V1
R01 colour R01-White (see page 560)
A (Constant value)
The article code will be:
RO50 12 150 V01 R01 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kit 2 Hooks
WHITE RAL 9010 - R01

Art. nr. 5991990310389



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ROSY VERTICAL

All intermediate sizes are available for widths from 4 to 32 elements and heights from 400 to 2500 mm

Height H [mm]		400	500	600	700	800	1000	1200	1400	1500
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
224	4	112	138	164	190	215	265	314	362	386
280	5	140	173	206	238	269	332	393	453	483
336	6	168	208	247	285	323	398	472	544	579
392	7	196	242	288	333	377	464	550	634	676
448	8	224	277	329	380	430	530	629	725	772
504	9	252	311	370	428	484	597	707	815	869
560	10	280	346	411	475	538	663	786	906	965
616	11	308	381	452	523	592	729	865	997	1062
672	12	336	415	493	570	646	796	943	1087	1158
728	13	364	450	534	618	699	862	1022	1178	1255
784	14	392	484	575	665	753	928	1100	1268	1351
840	15	420	519	617	713	807	995	1179	1359	1448
896	16	448	554	658	760	861	1061	1258	1450	1544
952	17	476	588	699	808	915	1127	1336	1540	1641
1008	18	504	623	740	855	968	1193	1415	1631	1737
1064	19	532	657	781	903	1022	1260	1493	1721	1834
1120	20	560	692	822	950	1076	1326	1572	1812	1930
1176	21	588	727	863	998	1130	1392	1651	1903	2027
1232	22	616	761	904	1045	1184	1459	1729	1993	2123
1288	23	644	796	945	1093	1237	1525	1808	2084	2220
1344	24	672	830	986	1140	1291	1591	1886	2174	2316
1400	25	700	865	1028	1188	1345	1658	1965	2265	2413
1456	26	728	900	1069	1235	1399	1724	2044	2356	2509
1512	27	756	934	1110	1283	1453	1790	2122	2446	2606
1568	28	784	969	1151	1330	1506	1856	2201	2537	2702
1624	29	812	1003	1192	1378	1560	1923	2279	2627	2799
1680	30	840	1038	1233	1425	1614	1989	2358	2718	2895
1736	31	868	1073	1274	1473	1668	2055	2437	2809	2992
1792	32	896	1107	1315	1520	1722	2122	2515	2899	3088

Height H [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
224	4	408	432	456	480	504	524	548	568	612
280	5	510	540	570	600	630	655	685	710	765
336	6	612	648	684	720	756	786	822	852	918
392	7	714	756	798	840	882	917	959	994	1071
448	8	816	864	912	960	1008	1048	1096	1136	1224
504	9	918	972	1026	1080	1134	1179	1233	1278	1377
560	10	1020	1080	1140	1200	1260	1310	1370	1420	1530
616	11	1122	1188	1254	1320	1386	1441	1507	1562	1683
672	12	1224	1296	1368	1440	1512	1572	1644	1704	1836
728	13	1326	1404	1482	1560	1638	1703	1781	1846	1989
784	14	1428	1512	1596	1680	1764	1834	1918	1988	2142
840	15	1530	1620	1710	1800	1890	1965	2055	2130	2295
896	16	1632	1728	1824	1920	2016	2096	2192	2272	2448
952	17	1734	1836	1938	2040	2142	2227	2329	2414	2601
1008	18	1836	1944	2052	2160	2268	2358	2466	2556	2754
1064	19	1938	2052	2166	2280	2394	2489	2603	2698	2907
1120	20	2040	2160	2280	2400	2520	2620	2740	2840	3060
1176	21	2142	2268	2394	2520	2646	2751	2877	2982	3213
1232	22	2244	2376	2508	2640	2772	2882	3014	3124	3366
1288	23	2346	2484	2622	2760	2898	3013	3151	3266	3519
1344	24	2448	2592	2736	2880	3024	3144	3288	3408	3672
1400	25	2550	2700	2850	3000	3150	3275	3425	3550	3825
1456	26	2652	2808	2964	3120	3276	3406	3562	3692	3978
1512	27	2754	2916	3078	3240	3402	3537	3699	3834	4131
1568	28	2856	3024	3192	3360	3528	3668	3836	3976	4284
1624	29	2958	3132	3306	3480	3654	3799	3973	4118	4437
1680	30	3060	3240	3420	3600	3780	3930	4110	4260	4590
1736	31	3162	3348	3534	3720	3906	4061	4247	4402	4743
1792	32	3264	3456	3648	3840	4032	4192	4384	4544	4896



ROSY HORIZONTAL

page 158

EUROPEAN WARRANTY

Radiators, convectors and ceiling-mounted radiant panels, hot water heating, fan assisted and mixed

CLASS 1-2-3-4

MATERIAL:
- Vertical collectors in painted mild steel ø 38 mm.
- Horizontal heating elements in painted mild steel, 50 x 10 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice. The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

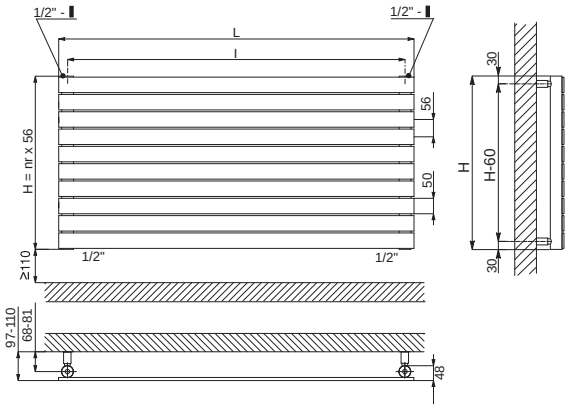
ACCESSORIES
See page 528

P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

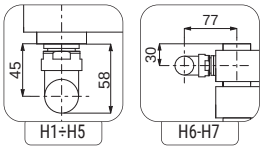
WIDTH L [mm]	400	500	600	700	800	1000	1200	1400	1500
Dry Weight per section [kg]	0,56	0,67	0,77	0,88	0,99	1,21	1,43	1,64	1,75
Element Water content [lt]	0,256	0,292	0,329	0,365	0,401	0,474	0,546	0,619	0,655
Element surface [m2]	0,061	0,073	0,085	0,097	0,109	0,133	0,157	0,181	0,193
Pipe Centres I [mm] (H1 only)	342	442	542	642	742	942	1142	1342	1442

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

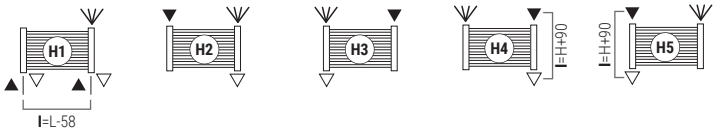
WIDTH L [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Dry Weight per section [kg]	1,86	1,97	2,08	2,19	2,30	2,41	2,51	2,62	2,84
Element Water content [lt]	0,691	0,727	0,764	0,800	0,836	0,872	0,909	0,945	1,017
Element surface [m2]	0,205	0,217	0,229	0,241	0,253	0,265	0,277	0,289	0,313
Pipe Centres I [mm] (H1 only)	1542	1642	1742	1842	1942	2042	2142	2242	2442



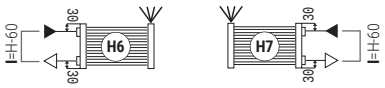
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ROSY HORIZONTAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	WIDTH in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Rosy horizontal	Numero elements E.g.: 12 elements	WIDTH in cm Example: 1500 mm	Article code of the connection Example: connection H1	Article code of the colour Example: R01 - White	Constant value
	RO50	12	150	H01	R01	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
RO50 ROSY HORIZONTAL
12 12 elements (see the table shown on the side)
150 WIDTH 1500 mm (see the table shown on the side)
H01 connection H1
R01 colour R01-White (see page 560)
A (Constant value)
The article code will be:
RO50 12 150 H01 R01 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve corner
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311176

Multilayer conn. Ø 16
Art. nr. 5991990311175



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ROSY HORIZONTAL

All intermediate sizes are available for widths from 4 to 32 elements and heights from 400 to 2500 mm

WIDTH L [mm]		400	500	600	700	800	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exp. n
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	
224	4	112	140	168	196	224	280	336	392	420	149	1,2375
280	5	137	172	206	241	275	344	412	481	515	183	1,2378
336	6	162	203	244	284	325	406	487	568	609	216	1,2380
392	7	187	234	280	327	374	467	560	654	701	248	1,2383
448	8	211	264	317	370	422	528	634	739	792	280	1,2386
504	9	235	294	353	412	470	588	706	823	882	312	1,2389
560	10	259	324	388	453	518	647	776	906	971	344	1,2392
616	11	282	353	424	494	565	706	847	988	1059	375	1,2394
672	12	306	383	459	536	612	765	918	1071	1148	406	1,2397
728	13	329	412	494	576	658	823	988	1152	1235	437	1,2400
784	14	352	441	529	617	705	881	1057	1233	1322	468	1,2403
840	15	376	470	563	657	751	939	1127	1315	1409	498	1,2405
896	16	399	499	598	698	798	997	1196	1396	1496	529	1,2408
952	17	422	527	632	738	843	1054	1265	1476	1581	559	1,2411
1008	18	444	556	667	778	889	1111	1333	1555	1667	589	1,2414
1064	19	467	584	701	818	934	1168	1402	1635	1752	619	1,2416
1120	20	490	613	735	858	980	1225	1470	1715	1838	650	1,2419
1176	21	513	641	769	897	1026	1282	1538	1795	1923	680	1,2422
1232	22	536	670	803	937	1071	1339	1607	1875	2009	710	1,2425
1288	23	558	698	837	977	1116	1395	1674	1953	2093	739	1,2427
1344	24	581	726	871	1016	1162	1452	1742	2033	2178	769	1,2430
1400	25	603	754	905	1056	1206	1508	1810	2111	2262	799	1,2433
1456	26	626	782	938	1095	1251	1564	1877	2190	2346	829	1,2436
1512	27	648	810	972	1134	1296	1620	1944	2268	2430	858	1,2439
1568	28	670	838	1006	1173	1341	1676	2011	2346	2514	888	1,2441
1624	29	693	866	1039	1212	1386	1732	2078	2425	2598	917	1,2444
1680	30	715	894	1073	1252	1430	1788	2146	2503	2682	947	1,2447
1736	31	738	922	1106	1291	1475	1844	2213	2582	2766	976	1,2450
1792	32	760	950	1140	1330	1520	1900	2280	2660	2850	1006	1,2452

WIDTH L [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500	OUTPUT PER LINEAR METER	Exp. n
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	
224	4	448	476	504	532	560	588	616	644	700	149	1,2375
280	5	550	584	619	654	688	722	757	791	860	183	1,2378
336	6	650	690	731	771	812	853	893	934	1015	216	1,2380
392	7	747	794	841	887	934	981	1027	1074	1168	248	1,2383
448	8	845	898	950	1003	1056	1109	1162	1214	1320	280	1,2386
504	9	941	1000	1058	1117	1176	1235	1294	1352	1470	312	1,2389
560	10	1035	1100	1165	1229	1294	1359	1423	1488	1618	344	1,2392
616	11	1130	1200	1271	1341	1412	1483	1553	1624	1765	375	1,2394
672	12	1224	1301	1377	1454	1530	1607	1683	1760	1913	406	1,2397
728	13	1317	1399	1481	1564	1646	1728	1811	1893	2058	437	1,2400
784	14	1410	1498	1586	1674	1762	1850	1938	2026	2203	468	1,2403
840	15	1502	1596	1690	1784	1878	1972	2066	2160	2348	498	1,2405
896	16	1595	1695	1795	1894	1994	2094	2193	2293	2493	529	1,2408
952	17	1686	1792	1897	2003	2108	2213	2319	2424	2635	559	1,2411
1008	18	1778	1889	2000	2111	2222	2333	2444	2555	2778	589	1,2414
1064	19	1869	1986	2102	2219	2336	2453	2570	2686	2920	619	1,2416
1120	20	1960	2083	2205	2328	2450	2573	2695	2818	3063	650	1,2419
1176	21	2051	2179	2308	2436	2564	2692	2820	2949	3205	680	1,2422
1232	22	2142	2276	2410	2544	2678	2812	2946	3080	3348	710	1,2425
1288	23	2232	2372	2511	2651	2790	2930	3069	3209	3488	739	1,2427
1344	24	2323	2468	2614	2759	2904	3049	3194	3340	3630	769	1,2430
1400	25	2413	2564	2714	2865	3016	3167	3318	3468	3770	799	1,2433
1456	26	2502	2659	2815	2972	3128	3284	3441	3597	3910	829	1,2436
1512	27	2592	2754	2916	3078	3240	3402	3564	3726	4050	858	1,2439
1568	28	2682	2849	3017	3184	3352	3520	3687	3855	4190	888	1,2441
1624	29	2771	2944	3118	3291	3464	3637	3810	3984	4330	917	1,2444
1680	30	2861	3040	3218	3397	3576	3755	3934	4112	4470	947	1,2447
1736	31	2950	3135	3319	3504	3688	3872	4057	4241	4610	976	1,2450
1792	32	3040	3230	3420	3610	3800	3990	4180	4370	4750	1006	1,2452



ROSY TANDEM VERTICAL

page 160

EUROPEAN WARRANTY

Radiators, convectors and ceiling-mounted radiant panels, hot water heating, fan assisted and mixed

MATERIAL:
- Horizontal collectors in painted mild steel ø 38 mm.
- Double vertical heating elements in painted mild steel 50 x 10 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

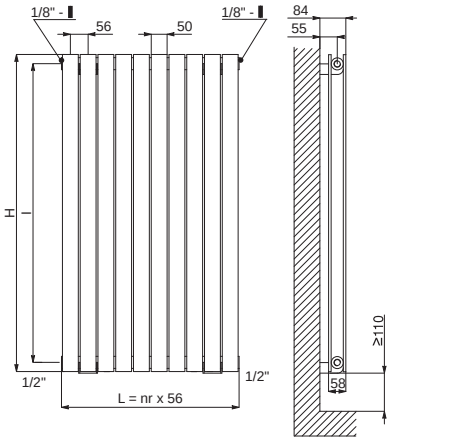
ACCESSORIES
See page 528

P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

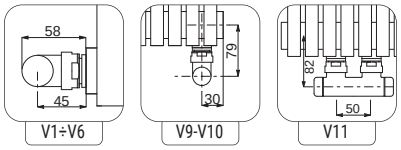
Height H [mm]	500	558	600	658	700	800	858	958	1000
Therm. output per el. Δt = 50 °C [Watt]	54,8	60,3	64,2	69,5	73,3	82,3	87,4	96,1	99,7
Therm. output per el. Δt = 30 °C [Watt]	27,6	30,4	32,3	35,0	36,9	41,5	44,0	48,4	50,3
Dry Weight per section [kg]	1,208	1,334	1,425	1,551	1,642	1,860	1,986	2,203	2,294
Element Water content [lt]	0,473	0,515	0,545	0,587	0,618	0,690	0,732	0,805	0,835
Element surface [m²]	0,133	0,147	0,157	0,171	0,181	0,205	0,219	0,243	0,253
Exp. **n**	1,3426	1,3425	1,3423	1,3422	1,3420	1,3417	1,3415	1,3412	1,3411
Pipe Centres I [mm] (V3-V4 only)	442	500	542	600	642	742	800	900	942

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

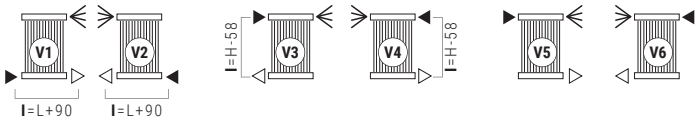
Height H [mm]	1200	1400	1600	1800	1900	2000	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	117	133	149	165	173	180	195	203	218
Therm. output per el. Δt = 30 °C [Watt]	59,0	67,1	75,2	83,3	87,3	90,9	98,5	102,5	110,1
Dry Weight per section [kg]	2,728	3,163	3,597	4,032	4,249	4,466	4,900	5,118	5,552
Element Water content [lt]	0,980	1,125	1,269	1,414	1,487	1,559	1,704	1,776	1,921
Element surface [m²]	0,301	0,349	0,397	0,445	0,469	0,493	0,541	0,565	0,613
Exp. **n**	1,3405	1,3399	1,3393	1,3387	1,3384	1,3381	1,3375	1,3372	1,3366
Pipe Centres I [mm] (V3-V4 only)	1142	1342	1542	1742	1842	1942	2142	2242	2442



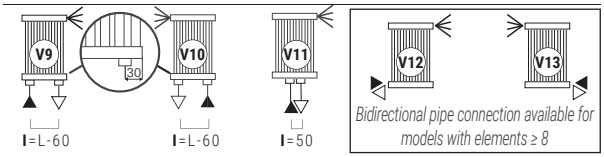
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.

HOW TO ORDER THE RADIATOR **ROSY TANDEM VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Rosy tandem vert.	Numero elements E.g.: 12 elements	Height in cm Example: 1500 mm	Article code of the connection Example: connection V1	Article code of the colour Example: R01 - White	Constant value
	RT50	12	150	V01	R01	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
RT50 ROSY TANDEM VERTICAL
12 12 elements (see the table shown on the side)
150 Height 1500 mm (see the table shown on the side)
V01 connection V1
R01 colour R01-White (see page 560)
A (Constant value)
The article code will be:
RT50 12 150 V01 R01 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
pipe centres 50 mm with
thermostatic option-White R01

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ROSY TANDEM VERTICAL

All intermediate sizes are available for widths from 4 to 18 elements and heights from 500 to 2500 mm

Height H [mm]		500	558	600	658	700	800	858	958	1000
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
224	4	219	241	257	278	293	329	350	384	399
280	5	274	301	321	348	367	412	437	480	499
336	6	329	362	385	417	440	494	524	577	598
392	7	384	422	449	487	513	576	612	673	698
448	8	438	482	514	556	586	658	699	769	798
504	9	493	543	578	626	660	741	787	865	897
560	10	548	603	642	695	733	823	874	961	997
616	11	603	663	706	765	806	905	961	1057	1097
672	12	658	724	770	834	880	988	1049	1153	1196
728	13	712	784	835	904	953	1070	1136	1249	1296
784	14	767	844	899	973	1026	1152	1224	1345	1396
840	15	822	904	963	1043	1100	1235	1311	1441	1496
896	16	877	965	1027	1112	1173	1317	1398	1537	1595
952	17	932	1025	1091	1182	1246	1399	1486	1633	1695
1008	18	986	1085	1156	1251	1319	1481	1573	1730	1795



Replacement heights are marked in grey colour

Height H [mm]		1200	1400	1600	1800	1900	2000	2200	2300	2500
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
224	4	468	532	596	660	692	720	780	812	872
280	5	585	665	745	825	865	900	975	1015	1090
336	6	702	798	894	990	1038	1080	1170	1218	1308
392	7	819	931	1043	1155	1211	1260	1365	1421	1526
448	8	936	1064	1192	1320	1384	1440	1560	1624	1744
504	9	1053	1197	1341	1485	1557	1620	1755	1827	1962
560	10	1170	1330	1490	1650	1730	1800	1950	2030	2180
616	11	1287	1463	1639	1815	1903	1980	2145	2233	2398
672	12	1404	1596	1788	1980	2076	2160	2340	2436	2616
728	13	1521	1729	1937	2145	2249	2340	2535	2639	2834
784	14	1638	1862	2086	2310	2422	2520	2730	2842	3052
840	15	1755	1995	2235	2475	2595	2700	2925	3045	3270
896	16	1872	2128	2384	2640	2768	2880	3120	3248	3488
952	17	1989	2261	2533	2805	2941	3060	3315	3451	3706
1008	18	2106	2394	2682	2970	3114	3240	3510	3654	3924

CORDIVARI



ROSY TANDEM HORIZONTAL

page 164

EUROPEAN **WARRANTY**

MATERIAL:
- Vertical collectors in painted mild steel ø 38 mm.
- Double horizontal heating elements in painted mild steel, 50 x 10 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice. The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

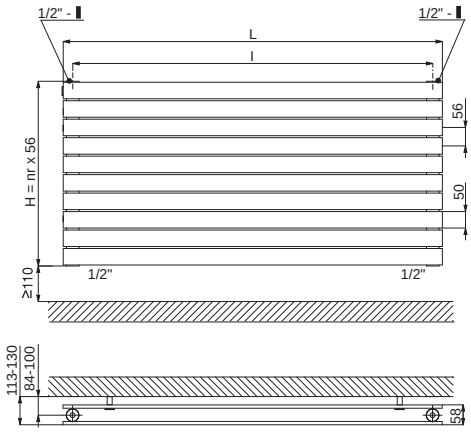
ACCESSORIES
See page 528

P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

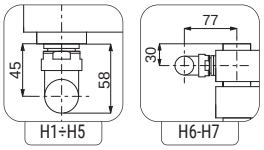
WIDTH L [mm]	400	500	600	700	800	1000	1200	1400	1500
Dry Weight per section [kg]	0,991	1,208	1,425	1,642	1,860	2,294	2,728	3,163	3,381
Element Water content [lt]	0,401	0,473	0,545	0,618	0,690	0,835	0,980	1,125	1,197
Element surface [m2]	0,109	0,133	0,157	0,181	0,205	0,253	0,301	0,349	0,373
Pipe Centres I [mm] (H1 only)	342	442	542	642	742	942	1142	1342	1442

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

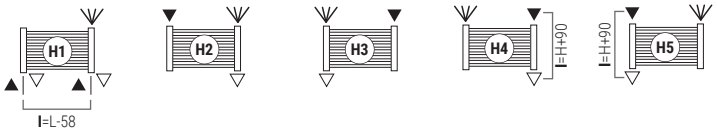
WIDTH L [mm]	1600	1700	1800	1900	2000	2200	2300	2500
Dry Weight per section [kg]	3,597	3,815	4,032	4,249	4,466	4,900	5,118	5,552
Element Water content [lt]	1,269	1,341	1,414	1,487	1,559	1,704	1,776	1,921
Element surface [m2]	0,397	0,421	0,445	0,469	0,493	0,541	0,565	0,613
Pipe Centres I [mm] (H1 only)	1542	1642	1742	1842	1942	2142	2242	2442



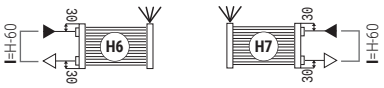
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ROSY TANDEM HORIZONTAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	WIDTH in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Rosy tandem horizontal	Numero elements E.g.: 12 elements	WIDTH in cm Example: 1500 mm	Article code of the connection Example: connection H1	Article code of the colour Example: R01 - White	Constant value
	RT50	12	150	H01	R01	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
RT50 ROSY TANDEM HORIZONTAL
12 12 elements (see the table shown on the side)
150 WIDTH 1500 mm (see the table shown on the side)
H01 connection H1
R01 colour R01-White (see page 560)
A (Constant value)
The article code will be:
RT50 12 150 H01 R01 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve corner right
with thermostatic option
white R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311176

Multilayer conn. Ø 16
Art. nr. 5991990311175



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ROSY TANDEM HORIZONTAL

All intermediate sizes are available for widths from 4 to 18 elements and heights from 500 to 2500 mm

WIDTH L [mm]		400	500	600	700	800	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exp. n
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	
224	4	196	245	294	343	392	490	588	686	735	258	1,2547
280	5	240	300	359	419	479	599	719	839	899	316	1,2520
336	6	282	353	423	494	564	705	846	987	1058	372	1,2492
392	7	323	404	485	566	646	808	970	1131	1212	427	1,2465
448	8	363	454	545	636	726	908	1090	1271	1362	481	1,2438
504	9	402	503	603	704	804	1005	1206	1407	1508	533	1,2410
560	10	440	550	659	769	879	1099	1319	1539	1649	584	1,2383
616	11	476	596	715	834	953	1191	1429	1667	1787	634	1,2355
672	12	512	640	768	896	1024	1280	1536	1792	1920	682	1,2328
728	13	547	684	820	957	1094	1367	1640	1914	2051	729	1,2301
784	14	580	726	871	1016	1161	1451	1741	2031	2177	775	1,2273
840	15	613	767	920	1073	1226	1533	1840	2146	2300	820	1,2246
896	16	645	807	968	1129	1290	1613	1936	2258	2420	864	1,2218
952	17	676	846	1015	1184	1353	1691	2029	2367	2537	907	1,2191
1008	18	707	884	1060	1237	1414	1767	2120	2474	2651	949	1,2164

WIDTH L [mm]		1600	1700	1800	1900	2000	2200	2300	2500	OUTPUT PER LINEAR METER	Exp. n
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	
224	4	784	833	882	931	980	1078	1127	1225	258	1,2547
280	5	958	1018	1078	1138	1198	1318	1378	1498	316	1,2520
336	6	1128	1199	1269	1340	1410	1551	1622	1763	372	1,2492
392	7	1293	1374	1454	1535	1616	1778	1858	2020	427	1,2465
448	8	1453	1544	1634	1725	1816	1998	2088	2270	481	1,2438
504	9	1608	1709	1809	1910	2010	2211	2312	2513	533	1,2410
560	10	1758	1868	1978	2088	2198	2418	2528	2748	584	1,2383
616	11	1906	2025	2144	2263	2382	2620	2739	2978	634	1,2355
672	12	2048	2176	2304	2432	2560	2816	2944	3200	682	1,2328
728	13	2187	2324	2461	2597	2734	3007	3144	3418	729	1,2301
784	14	2322	2467	2612	2757	2902	3192	3337	3628	775	1,2273
840	15	2453	2606	2759	2913	3066	3373	3526	3833	820	1,2246
896	16	2581	2742	2903	3065	3226	3549	3710	4033	864	1,2218
952	17	2706	2875	3044	3213	3382	3720	3889	4228	907	1,2191
1008	18	2827	3004	3181	3357	3534	3887	4064	4418	949	1,2164



UPPER COVER AVAILABLE UPON REQUEST



ROSY MAX

page 166

EUROPEAN WARRANTY

MATERIAL:
- Horizontal collectors in painted mild steel ø 38 mm.
- Double vertical heating elements in painted mild steel 50 x 10 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

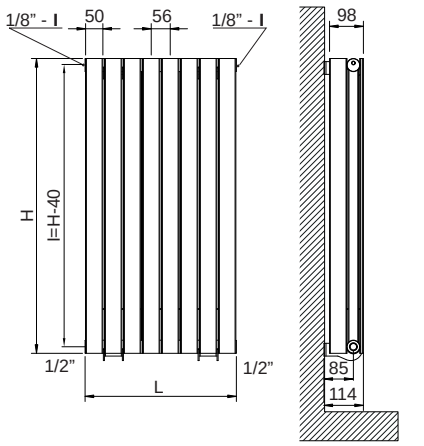
COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES
See page 528

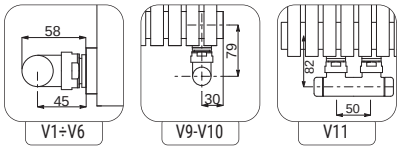
P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

Height H [mm]	390	540	640	840	940	1800	2000
Therm. output per el. Δt = 50 °C [Watt]	69,5	88,7	101,5	130,6	139,9	250	257,6
Therm. output per el. Δt = 50 °C [Watt]	36,2	46,2	52,9	68,1	73,0	127,5	131,5
Dry Weight per section [kg]	1,393	1,882	2,207	2,859	3,185	5,987	6,639
Element Water content [lt]	0,535	0,698	0,806	1,023	1,132	2,065	2,282
Element surface [m²]	0,154	0,208	0,244	0,316	0,352	0,661	0,733
Exp. **n**	1,2762	1,2754	1,275	1,2746	1,2742	1,3187	1,3167
Pipe Centres I [mm] (V3-V4 only)	350	500	600	800	900	1760	1960

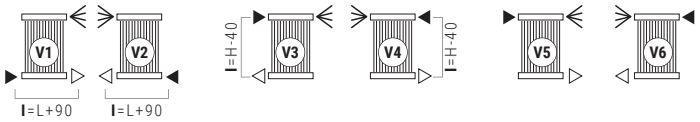
For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n



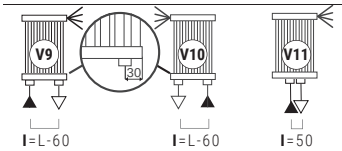
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋖ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ROSY MAX**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Rosy MAX	Numero elements E.g.: 12 elements	Height in cm Example: 1800 mm	Article code of the connection Example: connection V1	Article code of the colour Example: R01 - White	Constant value
	RX50	12	180	V01	R01	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
RX50 ROSY MAX
12 12 elements (see the table shown on the side)
180 Height 1800 mm (see the table shown on the side)
V01 connection V1
R01 colour R01-White (see page 560)
A (Constant value)
The article code will be:
RX50 12 180 V01 R01 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
Pipe centres 50 mm left
white R01 - ral 90101

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

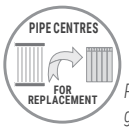
Accessories and spare parts - see from page 528

ROSY MAX

Height H [mm]		390	540	640	840	940	1800	2000
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
274	5	348	444	508	653	700	1250	1288
330	6	417	532	609	784	839	1500	1546
386	7	487	621	711	914	979	1750	1803
442	8	556	710	812	1045	1119	2000	2061
498	9	626	798	914	1175	1259	2250	2318
554	10	695	887	1015	1306	1399	2500	2576
610	11	765	976	1117	1437	1539	2750	2834
666	12	834	1064	1218	1567	1679	3000	3091
722	13	904	1153	1320	1698	1819	3250	3349
778	14	973	1242	1421	1828	1959	3500	3606
834	15	1043	1331	1523	1959	2099		
890	16	1112	1419	1624	2090	2238		
946	17	1182	1508	1726	2220	2378		
1002	18	1251	1597	1827	2351	2518		
1058	19	1321	1685	1929	2481	2658		
1114	20	1390	1774	2030	2612	2798		
1170	21	1460	1863	2132	2743	2938		
1226	22	1529	1951	2233	2873	3078		
1282	23	1599	2040	2335	3004	3218		
1338	24	1668	2129	2436	3134	3358		
1394	25	1738	2218	2538				
1450	26	1807	2306	2639				
1506	27	1877	2395	2741				
1562	28	1946	2484	2842				
1618	29	2016	2572	2944				
1674	30	2085	2661	3045				
1730	31	2155	2750	3147				
1786	32	2224	2838	3248				



HEIGHTS 1800 AND 2000 INCLUDES LATERAL CARTER



Replacement heights are marked in grey colour



ROSY PICTURE

page 170

EUROPEAN WARRANTY

CE EN EUROPEAN NORM 442-1 RADIATORS AND CONVECTORS

NF Radiators, convectors and ceiling-mounted radiant panels, hot water heating, fan assisted and mixed



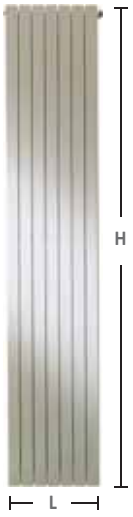
Customise
- **ROSY**
- **ROSY TANDEM**
- **ROSY MAX**

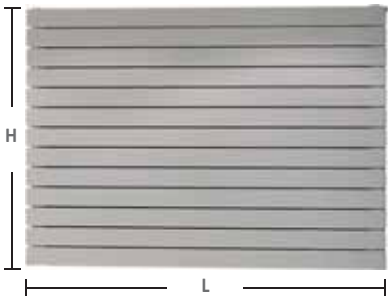
radiators with your favourite pictures, forever imprinted on the surface.





MAXIMUM DIMENSIONS AVAILABLE
One of the two sides can not exceed measure of **896 mm**





For technical features and connections see:
ROSY see page 422-424
ROSY TANDEM see page 426-428
ROSY MAX see page 430

HOW TO ORDER **(CUSTOM IMAGES)**

- Choose ROSY / ROSY TANDEM / ROSY MAX model
- Select the vertical or horizontal version, the desired radiator size (H and L) and the connection type.
- Send your high resolution image (300 dpi - jpg, tiff, eps file), or your real picture.

(Material used for rendering will not be given back).

- Send the related acquittance to Cordivari dealer (All images sent by customer must respect all relevant rules of copyright).
- Our graphic team will resize the desired image on the selected radiator
- Approve the pdf preview and order.



HOW TO ORDER **(STANDARD IMAGES)**

- Choose ROSY / ROSY TANDEM / ROSY MAX model
- Select the vertical or horizontal version, the desired radiator size (H and L) and the connection type.
- Choose a picture from our image gallery.
- Our graphic team will resize the desired image on the selected radiator
- Approve the pdf preview and order.

ROSY PICTURE

Image Gallery



Rosy Picture® radiators are made in painted mild steel using a unique and everlasting painting process.
The Rosy Picture® painting process has been awarded by ANVER (Italian Painters Association), during "Polveri 2001" Exhibition (Verona, Italy), where it stood out for its innovation, high quality finishing and eco-friendly approach.

Pictures By: Piero & Italo Del Governatore - Italcolor



Fisher **(P09)**



Bay **(P10)**



Shore **(P11)**

Images



Landscape **(P99)**



Lago **(P99)**



River **(P18)**



The Kiss
(P99)



Silhouette
(P01)



Iris 03
(P27)



Paris
(P99)

Frame Season - Artwork by Mariano Moroni



Abstract 01
(G11)



Abstract 02
(G12)



Abstract 03
(G13)



Abstract 04
(G14)



Abstract 05
(G15)



Abstract 06
(G16)



ROSY MIRROR

page 172

EUROPEAN **WARRANTY**

MATERIAL:
- Horizontal collectors in painted mild steel ø 38 mm.
- Vertical heating elements in painted mild steel 50x10 mm.
- Mirror

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

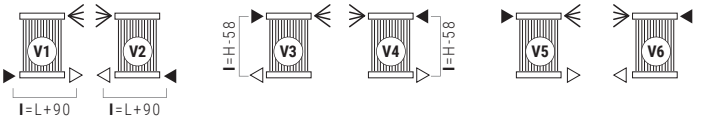
COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

ACCESSORIES:
See page 528

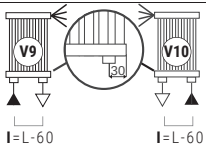
Functioning:	☑ Hot water		

P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ROSY MIRROR**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Rosy mirror lateral mirror on the left	Numero elements E.g.: 6 elements	Height in cm Example: 1800 mm	Article code of the connection Example: connection V1	Article code of the colour Example: R01 - White	Constant value
	MS50	06	180	V01	R01	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
MS50 ROSY mirror lateral mirror on the left (see the table shown on the side)
06 6 elements
180 Height 1800 mm (see the table shown on the side)
V01 connection V1
R01 colour R01-White (see page 560)
A (Constant value)
The article code will be:
MS50 06 180 V01 R01 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160

KIT 2 WOODEN SHELVES - 162 x 100 mm



Finishing	Art. nr.
White	5991990500006
Bay Oak	5991990500005
Wenghé	5991990500007

For ROSY MIRROR central mirror

KIT 2 WOODEN SHELVES - 218 x 100 mm

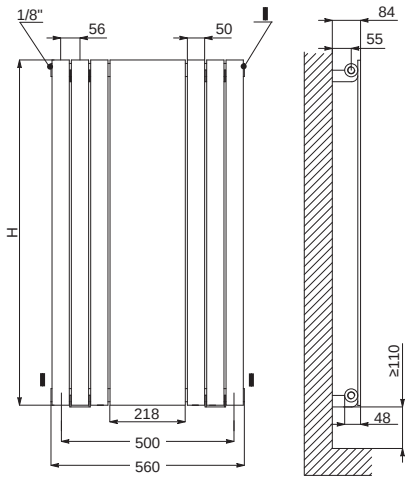


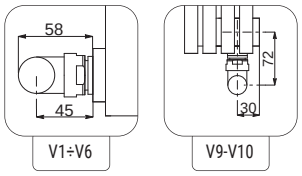
Finishing	Art. nr.
White	5991990500009
Bay Oak	5991990500008
Wenghé	5991990500010

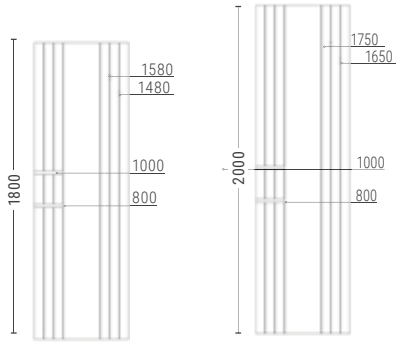
For ROSY MIRROR lateral mirror

Accessories and spare parts - see from page 528

VERSION WITH CENTRAL MIRROR - **MC50**

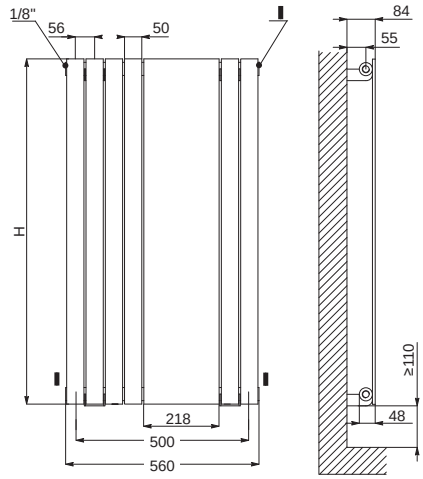


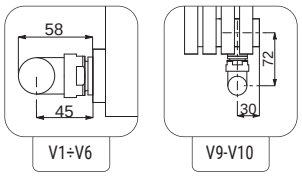


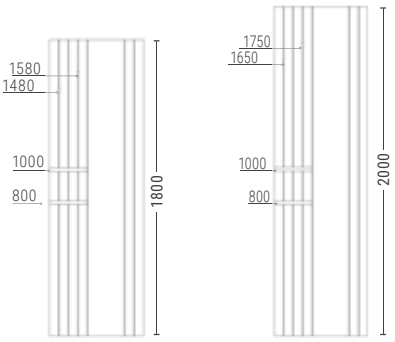


Positioning decorating accessories shelves & coat racks

VERSION WITH MIRROR ON THE RIGHT SIDE - **MD50**

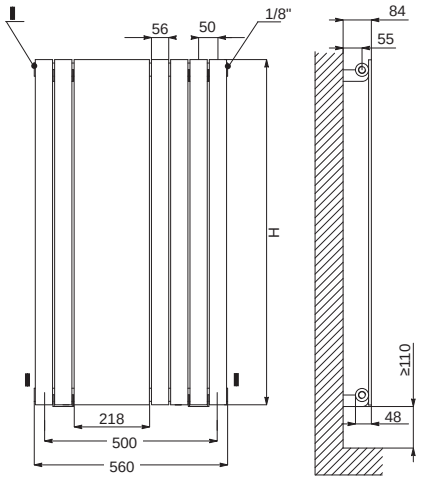


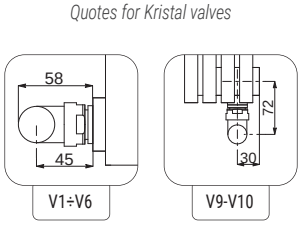


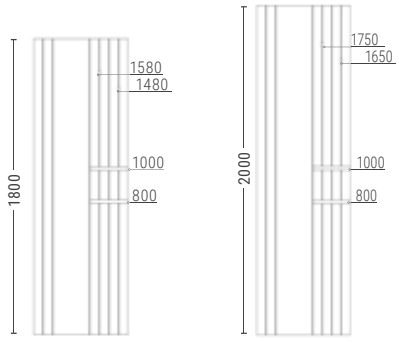


Positioning decorating accessories shelves & coat racks

VERSION WITH MIRROR ON THE LEFT SIDE - **MS50**







Positioning decorating accessories shelves & coat racks

ROSY MIRROR

Height [mm]	WIDTH L [mm]	Pipe Centres I [mm]	central mirror	LATERAL MIRROR ON THE RIGHT	LATERAL MIRROR ON THE LEFT	Dry Weight [Kg]	Surface [m2]	Water content [lt]	Thermal output [Watt] Δt=50°C	Δt=30°C	Exp. n
1800	560	500	**MC50**	**MD50**	**MS50**	22,4	1,43	5	684	355	1,2840
2000	560	500				24,6	1,57	5,5	756	397	1,2626

Art. nr. are referred to colour WHITE R01 - RAL 9010 version.

For output at different, please refer to the following formula: desired output = output at Δt 50°C x (desired Δt/50)^n



KEIRA VERTICAL

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EUROPEAN WARRANTY

MATERIAL:
- Horizontal collectors in painted mild steel ø 38 mm.
- Vertical heating elements in painted mild steel 10 x 50 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

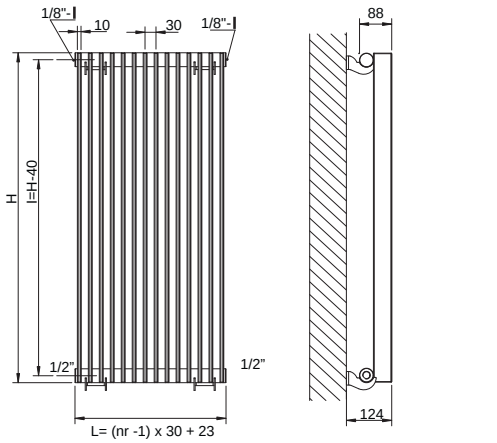
ACCESSORIES
See page 528

P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

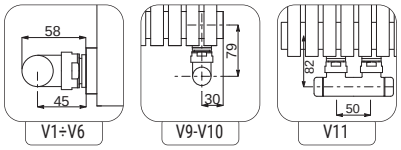
Height H [mm]	538	638	738	838	938	1400	1600	1800	1900
Therm. output per el. Δt = 50 °C [Watt]	31,1	35,8	40,5	45,2	49,9	72,3	82,5	92,9	98,3
Therm. output per el. Δt = 30 °C [Watt]	16,6	19,1	21,5	24,0	26,3	37,8	42,9	48,4	51,3
Dry Weight per section [kg]	0,652	0,761	0,869	0,978	1,086	1,586	1,803	2,020	2,129
Element Water content [lt]	0,255	0,291	0,327	0,364	0,400	0,566	0,639	0,711	0,747
Element surface [m²]	0,072	0,084	0,096	0,108	0,120	0,175	0,199	0,223	0,235
Exp. **n**	1,2273	1,232	1,2367	1,2414	1,2557	1,2700	1,2802	1,2757	1,2735
Pipe Centres I [mm] (V3-V4 only)	500	600	700	800	900	1362	1562	1762	1862

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

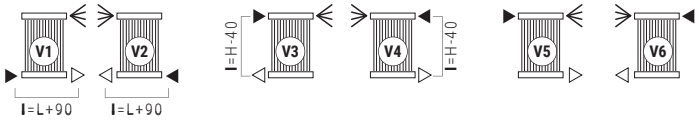
Height H [mm]	2000	2200
Therm. output per el. Δt = 50 °C [Watt]	103,8	115,1
Therm. output per el. Δt = 30 °C [Watt]	54,2	59,4
Dry Weight per section [kg]	2,238	2,455
Element Water content [lt]	0,783	0,856
Element surface [m²]	0,247	0,271
Exp. **n**	1,2712	1,2957
Pipe Centres I [mm] (V3-V4 only)	1962	2162



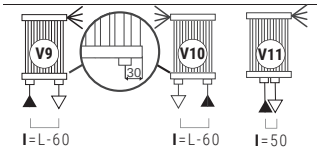
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋖ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **KEIRA VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Keira vertical	Numero elements E.g.: 24 elements	Height in cm Example: 1400 mm	Article code of the connection Example: connection V2	Article code of the colour Example: S16 - Canary	Constant value
	KE10	24	140	V02	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
KE10 KEIRA VERTICAL
24 24 elements (see the table shown on the side)
140 Height 1400 mm (see the table shown on the side)
V02 connection V2
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
KE10 24 140 V02 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
Pipe centres 50 mm left
white R01 - ral 90101

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

KEIRA VERTICAL

All intermediate sizes are available for widths from 9 to 48 elements and heights from 540 to 2200 mm

Height H [mm]		538	638	738	838	938	1400	1600	1800	1900
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
263	9	280	322	365	407	449	651	743	836	885
293	10	311	358	405	452	499	723	825	929	983
323	11	342	394	446	497	549	795	908	1022	1081
353	12	373	430	486	542	599	868	990	1115	1180
383	13	404	465	527	588	649	940	1073	1208	1278
413	14	435	501	567	633	699	1012	1155	1301	1376
443	15	467	537	608	678	749	1085	1238	1394	1475
473	16	498	573	648	723	799	1157	1320	1486	1573
503	17	529	609	689	768	849	1229	1403	1579	1671
533	18	560	644	729	814	898	1301	1485	1672	1769
563	19	591	680	770	859	948	1374	1568	1765	1868
593	20	622	716	810	904	998	1446	1650	1858	
623	21	653	752	851	949	1048	1518	1733		
653	22	684	788	891	994	1098	1591			
683	23	715	823	932	1040	1148				
713	24	746	859	972	1085	1198				
743	25	778	895	1013	1130	1248				
773	26	809	931	1053	1175	1298				
803	27	840	967	1094	1220	1348				
833	28	871	1002	1134	1266	1398				
863	29	902	1038	1175	1311	1447				
893	30	933	1074	1215	1356	1497				
923	31	964	1110	1256	1401	1547				
953	32	995	1146	1296	1446	1597				
983	33	1026	1181	1337	1492	1647				
1013	34	1057	1217	1377	1537	1697				
1043	35	1089	1253	1418	1582	1747				
1073	36	1120	1289	1458	1627	1797				
1103	37	1151	1325	1499	1672	1847				
1133	38	1182	1360	1539	1718	1897				
1163	39	1213	1396	1580	1763	1947				
1193	40	1244	1432	1620	1808	1997				
1223	41	1275	1468	1661	1853	2046				
1253	42	1306	1504	1701	1898					
1283	43	1337	1539	1742						
1313	44	1368	1575	1782						
1373	46	1431	1647							
1433	48	1493								



Replacement heights are marked in grey colour

Height H [mm]		2000	2200
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C
263	9	934	1036
293	10	1038	1151
323	11	1142	1266
353	12	1246	1381
383	13	1349	1496
413	14	1453	1611
443	15	1557	1727
473	16	1661	1842
503	17	1765	
533	18	1868	



KEIRA TANDEM VERTICAL

page 176

EUROPEAN WARRANTY

MATERIAL:
- Horizontal collectors in painted mild steel ø 38 mm.
- Double vertical heating elements in painted mild steel rettangolari 10 x 50 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

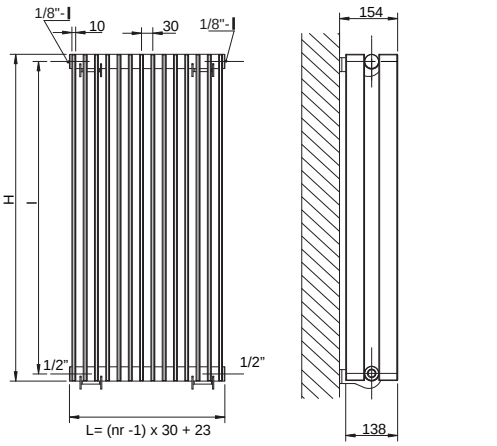
ACCESSORIES
See page 528

P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

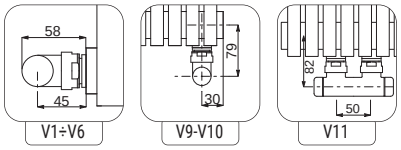
Height H [mm]	538	638	738	838	938	1400	1600	1800	1900
Therm. output per el. Δt = 50 °C [Watt]	52,7	60,6	68,4	76,1	83,8	118,8	133,9	149,2	156,8
Therm. output per el. Δt = 30 °C [Watt]	27,5	31,6	35,7	39,7	43,4	61,0	68,3	76,1	80,1
Dry Weight per section [kg]	1,238	1,456	1,673	1,890	2,107	3,107	3,541	3,976	4,193
Element Water content [lt]	0,45	0,523	0,595	0,667	0,740	1,073	1,217	1,362	1,434
Element surface [m²]	0,137	0,161	0,185	0,209	0,233	0,343	0,391	0,439	0,463
Exp. **n**	1,27359	1,2732	1,2728	1,2724	1,28935	1,3063	1,3184	1,3168	1,316
Pipe Centres I [mm] (V3-V4 only)	500	600	700	800	900	1362	1562	1762	1862

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

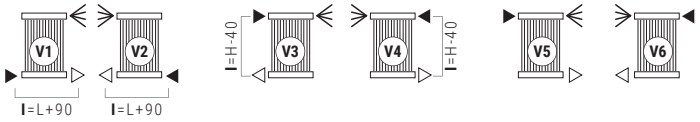
Height H [mm]	2000	2200
Therm. output per el. Δt = 50 °C [Watt]	164,5	180,1
Therm. output per el. Δt = 30 °C [Watt]	84,0	92,1
Dry Weight per section [kg]	4,410	4,844
Element Water content [lt]	1,507	1,651
Element surface [m²]	0,487	0,535
Exp. **n**	1,3152	1,3136
Pipe Centres I [mm] (V3-V4 only)	1962	2162



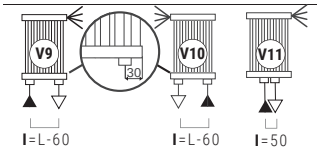
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋖ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **KEIRA TANDEM VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Keira tandem vertical	Numero elements E.g.: 24 elements	Height in cm Example: 1400 mm	Article code of the connection Example: connection V2	Article code of the colour Example: S16 - Canary	Constant value
	KT10	24	140	V02	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
KT10 KEIRA TANDEM VERTICAL
24 24 elements (see the table shown on the side)
140 Height 1400 mm (see the table shown on the side)
V02 connection V2
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
KT10 24 140 V02 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
Pipe centres 50 mm left
white R01 - ral 90101

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

KEIRA TANDEM VERTICAL

All intermediate sizes are available for widths from 9 to 48 elements and heights from 540 to 2200 mm

Height H [mm]		538	638	738	838	938	1400	1600	1800	1900
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
263	9	474	545	616	685	754	1069	1205	1343	1411
293	10	527	606	684	761	838	1188	1339	1492	1568
323	11	580	667	752	837	922	1307	1473	1641	1725
353	12	632	727	821	913	1006	1426	1607	1790	1882
383	13	685	788	889	989	1089	1544	1741	1940	2038
413	14	738	848	958	1065	1173	1663	1875	2089	2195
443	15	791	909	1026	1142	1257	1782	2009	2238	2352
473	16	843	970	1094	1218	1341	1901	2142	2387	2509
503	17	896	1030	1163	1294	1424	2020	2276	2536	2666
533	18	949	1091	1231	1370	1508	2138	2410	2686	2822
563	19	1001	1151	1300	1446	1592	2257	2544	2835	2979
593	20	1054	1212	1368	1522	1676	2376	2678	2984	
623	21	1107	1273	1436	1598	1760	2495	2812		
653	22	1159	1333	1505	1674	1843	2614			
683	23	1212	1394	1573	1750	1927				
713	24	1265	1454	1642	1826	2011				
743	25	1318	1515	1710	1903	2095				
773	26	1370	1576	1778	1979	2179				
803	27	1423	1636	1847	2055	2262				
833	28	1476	1697	1915	2131	2346				
863	29	1528	1757	1984	2207	2430				
893	30	1581	1818	2052	2283	2514				
923	31	1634	1879	2120	2359	2598				
953	32	1686	1939	2189	2435	2681				
983	33	1739	2000	2257	2511	2765				
1013	34	1792	2060	2326	2587	2849				
1043	35	1845	2121	2394	2664	2933				
1073	36	1897	2182	2462	2740	3017				
1103	37	1950	2242	2531	2816	3100				
1133	38	2003	2303	2599	2892	3184				
1163	39	2055	2363	2668	2968	3268				
1193	40	2108	2424	2736	3044	3352				
1223	41	2161	2485	2804	3120					
1253	42	2213	2545	2873	3196					
1283	43	2266	2606	2941						
1313	44	2319	2666							
1373	46	2424	2788							
1433	48	2530								



Replacement heights are marked in grey colour

Height H [mm]		2000	2200
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C
263	9	1481	1621
293	10	1645	1801
323	11	1810	1981
353	12	1974	2161
383	13	2139	2341
413	14	2303	2521
443	15	2468	2702
473	16	2632	2882
503	17	2797	
533	18	2961	



KARIN VX VERTICAL

page 180

EUROPEAN WARRANTY

MATERIAL:
• Horizontal collectors in painted mild steel ø 30 mm.
• Vertical heating elements in painted mild steel 15x20 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

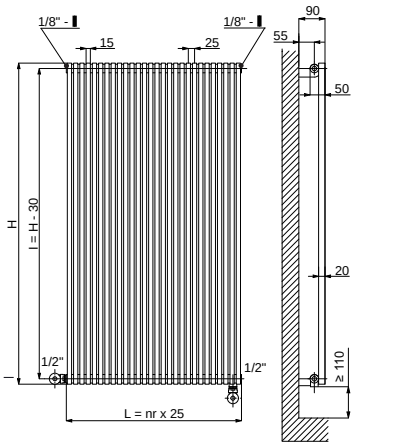
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

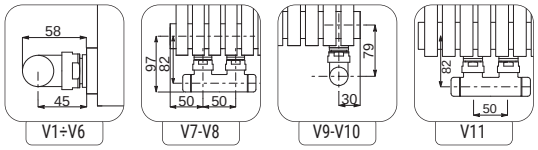
Height H [mm]	500	600	800	1000	1200	1400	1500	1600	1700
Therm. output per el. Δt = 50 °C [Watt]	21,1	25,0	32,6	39,9	46,9	53,7	57,1	60,3	63,3
Therm. output per el. Δt = 30 °C [Watt]	11,0	13,1	17,0	20,8	24,5	28,1	29,9	31,6	33,3
Dry Weight per section [kg]	0,333	0,389	0,501	0,613	0,725	0,837	0,893	0,949	1,005
Element Water content [lt]	0,140	0,162	0,206	0,250	0,295	0,339	0,361	0,383	0,406
Element surface [m²]	0,040	0,047	0,061	0,075	0,089	0,103	0,110	0,117	0,124
Exp. **n**	1,2691	1,2708	1,2742	1,2725	1,2708	1,2691	1,2682	1,2673	1,2664
Pipe Centres I [mm] (V3-V4 only)	470	570	770	970	1170	1370	1470	1570	1670

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

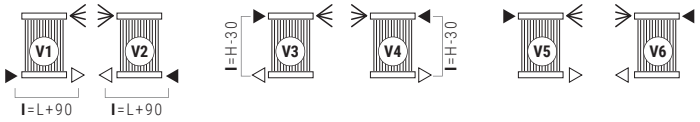
Height H [mm]	1800	1900	2000	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	66,7	69,9	72,9	78,9	81,9	87,6
Therm. output per el. Δt = 30 °C [Watt]	34,9	36,5	38,0	41,0	42,5	45,2
Dry Weight per section [kg]	1,061	1,117	1,173	1,285	1,341	1,453
Element Water content [lt]	0,428	0,450	0,472	0,516	0,539	0,583
Element surface [m²]	0,131	0,138	0,145	0,159	0,166	0,180
Exp. **n**	1,2656	1,2698	1,2739	1,2823	1,2865	1,2948
Pipe Centres I [mm] (V3-V4 only)	1770	1870	1970	2170	2270	2470



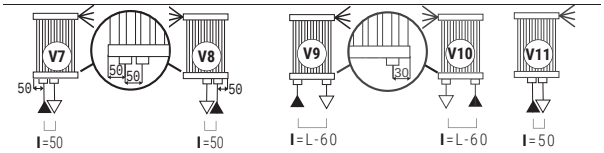
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋖ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **KARIN VX VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Karin VX vertical	Numero elements E.g.: 24 elements	Height in cm Example: 1600 mm	Article code of the connection Example: connection V3	Article code of the colour Example: S16 - Canary	Constant value
	KA15	24	160	V03	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
KA15 KARIN VX VERTICAL
24 24 elements (see the table shown on the side)
160 Height 1600 mm (see the table shown on the side)
V03 connection V3
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
KA15 24 160 V03 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kit 2 Hooks
WHITE RAL 9010 - R01

Art. nr. 5991990310391



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

KARIN VX VERTICAL

All intermediate sizes are available for widths from 8 to 72 elements and heights from 500 to 2500 mm

Height H [mm]		500	600	800	1000	1200	1400	1500	1600	1700
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
200	8	169	200	261	319	375	430	457	482	506
250	10	211	250	326	399	469	537	571	603	633
300	12	253	300	391	479	563	644	685	724	760
350	14	295	350	456	559	657	752	799	844	886
400	16	338	400	522	638	750	859	914	965	1013
450	18	380	450	587	718	844	967	1028	1085	1139
500	20	422	500	652	798	938	1074	1142	1206	1266
550	22	464	550	717	878	1032	1181	1256	1327	1393
600	24	506	600	782	958	1126	1289	1370	1447	1519
650	26	549	650	848	1037	1219	1396	1485	1568	1646
700	28	591	700	913	1117	1313	1504	1599	1688	1772
750	30	633	750	978	1197	1407	1611	1713	1809	1899
800	32	675	800	1043	1277	1501	1718	1827	1930	2026
850	34	717	850	1108	1357	1595	1826	1941	2050	2152
900	36	760	900	1174	1436	1688	1933	2056	2171	2279
950	38	802	950	1239	1516	1782	2041	2170	2291	2405
1000	40	844	1000	1304	1596	1876	2148	2284	2412	2532
1050	42	886	1050	1369	1676	1970	2255	2398	2533	2659
1100	44	928	1100	1434	1756	2064	2363	2512	2653	2785
1150	46	971	1150	1500	1835	2157	2470	2627	2774	2912
1200	48	1013	1200	1565	1915	2251	2578	2741	2894	3038
1250	50	1055	1250	1630	1995	2345	2685	2855	3015	3165
1300	52	1097	1300	1695	2075	2439	2792	2969	3136	3292
1350	54	1139	1350	1760	2155	2533	2900	3083	3256	3418
1400	56	1182	1400	1826	2234	2626	3007	3198	3377	3545
1450	58	1224	1450	1891	2314	2720	3115	3312	3497	3671
1500	60	1266	1500	1956	2394	2814	3222	3426	3618	3798
1550	62	1308	1550	2021	2474	2908	3329	3540	3739	3925
1600	64	1350	1600	2086	2554	3002	3437	3654	3859	4051
1650	66	1393	1650	2152	2633	3095	3544	3769	3980	4178
1700	68	1435	1700	2217	2713	3189	3652	3883	4100	4304
1750	70	1477	1750	2282	2793	3283	3759	3997	4221	4431
1800	72	1519	1800	2347	2873	3377	3866	4111	4342	4558

Height H [mm]		1800	1900	2000	2200	2300	2500
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
200	8	534	559	583	631	655	701
250	10	667	699	729	789	819	876
300	12	800	839	875	947	983	1051
350	14	934	979	1021	1105	1147	1226
400	16	1067	1118	1166	1262	1310	1402
450	18	1201	1258	1312	1420	1474	1577
500	20	1334	1398	1458	1578	1638	1752
550	22	1467	1538	1604	1736	1802	1927
600	24	1601	1678	1750	1894	1966	2102
650	26	1734	1817	1895	2051	2129	2278
700	28	1868	1957	2041	2209	2293	2453
750	30	2001	2097	2187	2367	2457	2628
800	32	2134	2237	2333	2525	2621	2803
850	34	2268	2377	2479	2683	2785	2978
900	36	2401	2516	2624	2840	2948	3154
950	38	2535	2656	2770	2998	3112	3329
1000	40	2668	2796	2916	3156	3276	3504
1050	42	2801	2936	3062	3314	3440	3679
1100	44	2935	3076	3208	3472	3604	3854
1150	46	3068	3215	3353	3629	3767	4030
1200	48	3202	3355	3499	3787	3931	4205
1250	50	3335	3495	3645	3945	4095	4380
1300	52	3468	3635	3791	4103	4259	4555
1350	54	3602	3775	3937	4261	4423	4730
1400	56	3735	3914	4082	4418	4586	4906
1450	58	3869	4054	4228	4576	4750	5081
1500	60	4002	4194	4374	4734	4914	5256
1550	62	4135	4334	4520	4892	5078	5431
1600	64	4269	4474	4666	5050	5242	5606
1650	66	4402	4613	4811	5207	5405	5782
1700	68	4536	4753	4957	5365	5569	5957
1750	70	4669	4893	5103	5523	5733	6132
1800	72	4802	5033	5249	5681	5897	6307



KARIN VX HORIZONTAL

page 182

EUROPEAN WARRANTY

MATERIAL:
- Vertical collectors in painted mild steel ø 30 mm.
- Horizontal heating elements in painted mild steel, 15x20 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice. The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

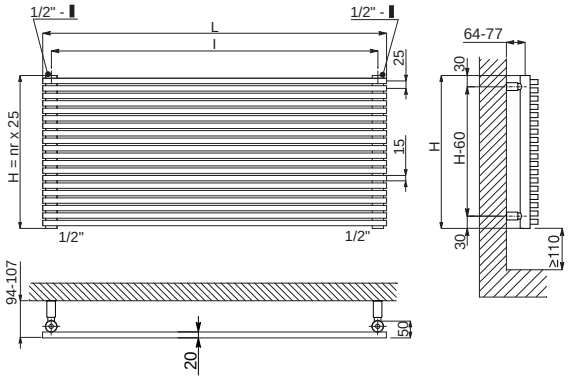
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

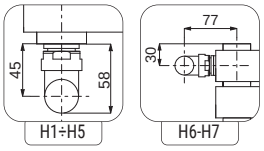
WIDTH L [mm]	500	600	800	1000	1200	1400	1500	1600
Dry Weight per section [kg]	0,333	0,389	0,501	0,613	0,725	0,837	0,893	0,949
Element Water content [lt]	0,140	0,162	0,206	0,250	0,294	0,338	0,360	0,382
Element surface [m2]	0,400	0,047	0,061	0,075	0,089	0,103	0,110	0,117
Pipe Centres I [mm] (H1 only)	470	570	770	970	1170	1370	1470	1570

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

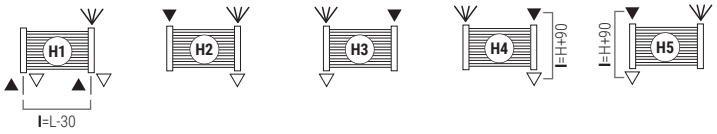
WIDTH L [mm]	1700	1800	1900	2000	2200	2300	2500
Dry Weight per section [kg]	1,005	1,061	1,117	1,173	1,285	1,341	1,453
Element Water content [lt]	0,404	0,426	0,448	0,470	0,514	0,536	0,580
Element surface [m2]	0,124	0,131	0,138	0,145	0,159	0,166	0,180
Pipe Centres I [mm] (H1 only)	1670	1770	1870	1970	2170	2270	2470



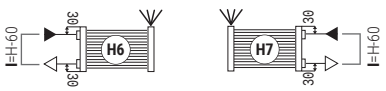
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **KARIN VX HORIZONTAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	WIDTH in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Karin VX horizontal	Numero elements E.g.: 24 elements	WIDTH in cm Example: 1600 mm	Article code of the connection Example: connection H7	Article code of the colour Example: S16 - Canary	Constant value
	KA15	24	160	H07	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
KA15 KARIN VX HORIZONTAL
24 24 elements (see the table shown on the side)
160 WIDTH 1600 mm (see the table shown on the side)
H07 connection H7
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
KA15 24 160 H07 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve corner right
with thermostatic option
white R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311176

Multilayer conn. Ø 16
Art. nr. 5991990311175



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

KARIN VX HORIZONTAL

All intermediate sizes are available for widths from 8 to 44 elements and heights from 500 to 2500 mm

WIDTH L [mm]		500	600	800	1000	1200	1400	1500	1600	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	**n**
200	8	169	202	270	337	405	472	506	539	175	1,2882
250	10	211	253	338	422	507	591	633	676	221	1,2672
300	12	252	302	403	504	604	705	755	806	266	1,2465
350	14	290	348	464	580	696	812	870	928	310	1,2258
400	16	326	391	521	652	782	913	978	1043	352	1,2051
450	18	359	431	575	719	862	1006	1078	1150	390	1,1979
500	20	390	468	624	780	936	1092	1170	1248	425	1,1907
550	22	418	502	669	837	1004	1171	1255	1339	457	1,1846
600	24	444	533	711	888	1066	1244	1333	1421	485	1,1858
650	26	468	561	748	935	1122	1310	1403	1497	510	1,1881
700	28	489	587	782	978	1173	1369	1467	1564	532	1,1904
750	30	508	609	812	1016	1219	1422	1523	1625	552	1,1927
800	32	525	630	839	1049	1259	1469	1574	1679	570	1,1932
850	34	539	647	863	1079	1295	1510	1618	1726	586	1,1952
900	36	552	663	884	1105	1326	1547	1657	1768	599	1,1972
950	38	564	676	902	1127	1352	1578	1691	1803	611	1,1992
1000	40	573	687	917	1146	1375	1604	1719	1833	620	1,2012
1050	42	581	697	929	1161	1394	1626	1742	1858	628	1,2032
1100	44	587	704	939	1174	1409	1643	1761	1878	634	1,2052

WIDTH L [mm]		1700	1800	1900	2000	2200	2300	2500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	**n**
200	8	573	607	640	674	742	775	843	175	1,2882
250	10	718	760	802	845	929	971	1056	221	1,2672
300	12	856	906	957	1007	1108	1158	1259	266	1,2465
350	14	986	1044	1102	1160	1276	1334	1450	310	1,2258
400	16	1108	1173	1238	1304	1434	1499	1630	352	1,2051
450	18	1221	1293	1365	1437	1581	1653	1796	390	1,1979
500	20	1326	1404	1482	1560	1716	1794	1950	425	1,1907
550	22	1422	1506	1590	1673	1841	1924	2092	457	1,1846
600	24	1510	1599	1688	1777	1954	2043	2221	485	1,1858
650	26	1590	1684	1777	1871	2058	2151	2339	510	1,1881
700	28	1662	1760	1858	1955	2151	2249	2444	532	1,1904
750	30	1727	1828	1930	2031	2234	2336	2539	552	1,1927
800	32	1784	1889	1994	2099	2308	2413	2623	570	1,1932
850	34	1834	1942	2050	2158	2374	2481	2697	586	1,1952
900	36	1878	1989	2099	2210	2431	2541	2762	599	1,1972
950	38	1916	2029	2141	2254	2479	2592	2818	611	1,1992
1000	40	1948	2062	2177	2291	2521	2635	2864	620	1,2012
1050	42	1974	2090	2206	2323	2555	2671	2903	628	1,2032
1100	44	1995	2113	2230	2348	2582	2700	2935	634	1,2052



KARIN VX TANDEM VERTICAL

page 184

EUROPEAN WARRANTY

MATERIAL:
- Horizontal collectors in painted mild steel ø 30 mm.
- Double vertical heating elements in painted mild steel, rettangolari 15x20 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

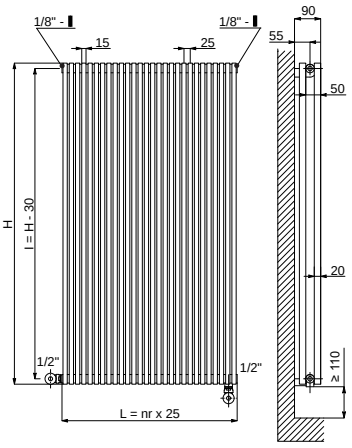
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

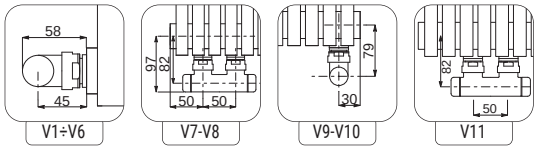
Height H [mm]	500	530	600	630	800	830	930	1000	1200
Therm. output per el. Δt = 50 °C [Watt]	32,7	34,8	38,3	40,4	49,0	50,6	56,1	59,1	68,7
Therm. output per el. Δt = 30 °C [Watt]	16,8	17,7	19,7	20,5	25,0	25,8	28,4	30,1	34,9
Dry Weight per section [kg]	0,607	0,646	0,725	0,758	0,949	0,982	1,094	1,173	1,397
Element Water content [lt]	0,249	0,264	0,295	0,308	0,383	0,397	0,441	0,472	0,561
Element surface [m²]	0,074	0,079	0,089	0,093	0,117	0,121	0,135	0,145	0,173
Exp. **n**	1,2990	1,3396	1,3047	1,3373	1,3161	1,3520	1,3304	1,3209	1,3258
Pipe Centres I [mm] (V3-V4 only)	470	500	570	600	770	800	900	970	1170

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

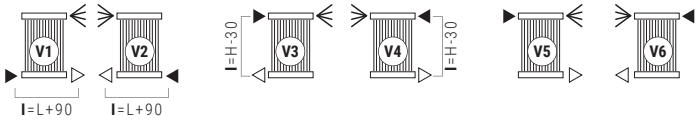
Height H [mm]	1400	1600	1700	1800	1900	2000	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	77,7	86,3	90,5	94,5	98,4	102,3	109,6	113,2	120,0
Therm. output per el. Δt = 30 °C [Watt]	39,4	43,6	45,7	47,7	49,6	51,6	55,3	57,1	60,6
Dry Weight per section [kg]	1,621	1,845	1,957	2,069	2,181	2,293	2,517	2,629	2,853
Element Water content [lt]	0,650	0,738	0,782	0,827	0,871	0,916	1,004	1,049	1,137
Element surface [m²]	0,201	0,229	0,243	0,257	0,271	0,285	0,313	0,327	0,355
Exp. **n**	1,3307	1,3355	1,33797	1,3404	1,3399	1,3395	1,3385	1,3380	1,3371
Pipe Centres I [mm] (V3-V4 only)	1370	1570	1670	1770	1870	1970	2170	2270	2470



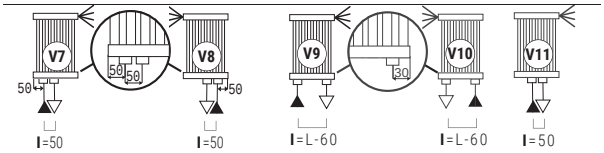
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **KARIN VX TANDEM VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Karin VX tandem vertical	Numero elements E.g.: 24 elements	Height in cm Example: 1900 mm	Article code of the connection Example: connection V8	Article code of the colour Example: S16 - Canary	Constant value
	KT15	24	190	V08	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
KT15 KARIN VX TANDEM VERTICAL
24 24 elements (see the table shown on the side)
190 Height 1900 mm (see the table shown on the side)
V08 connection V8
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
KT15 24 190 V08 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
Pipe centres 50 mm left
white R01 - ral 90101

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

KARIN VX TANDEM VERTICAL

All intermediate sizes are available for widths from 8 to 72 elements and heights from 500 to 2500 mm

Height H [mm]		500	530	600	630	800	830	930	1000	1200
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
200	8	262	275	306	320	392	405	445	473	550
250	10	327	344	383	400	490	506	557	591	687
300	12	392	413	460	479	588	607	668	709	824
350	14	458	481	536	559	686	708	779	827	962
400	16	523	550	613	639	784	809	890	946	1099
450	18	589	619	689	719	882	910	1002	1064	1237
500	20	654	688	766	799	980	1012	1113	1182	1374
550	22	719	757	843	879	1078	1113	1224	1300	1511
600	24	785	825	919	959	1176	1214	1336	1418	1649
650	26	850	894	996	1039	1274	1315	1447	1537	1786
700	28	916	963	1072	1119	1372	1416	1558	1655	1924
750	30	981	1032	1149	1199	1470	1517	1670	1773	2061
800	32	1046	1100	1226	1279	1568	1618	1781	1891	2198
850	34	1112	1169	1302	1359	1666	1720	1892	2009	2336
900	36	1177	1238	1379	1438	1764	1821	2004	2128	2473
950	38	1243	1307	1455	1518	1862	1922	2115	2246	2611
1000	40	1308	1376	1532	1598	1960	2023	2226	2364	2748
1050	42	1373	1444	1609	1678	2058	2124	2337	2482	2885
1100	44	1439	1513	1685	1758	2156	2225	2449	2600	3023
1150	46	1504	1582	1762	1838	2254	2326	2560	2719	3160
1200	48	1570	1651	1838	1918	2352	2428	2671	2837	3298
1250	50	1635	1719	1915	1998	2450	2529	2783	2955	3435
1300	52	1700	1788	1992	2078	2548	2630	2894	3073	3572
1350	54	1766	1857	2068	2158	2646	2731	3005	3191	
1400	56	1831	1926	2145	2238	2744	2832	3117	3310	
1450	58	1897	1995	2221	2317	2842	2933	3228	3428	
1500	60	1962	2063	2298	2397	2940	3035	3339	3546	
1550	62	2027	2132	2375	2477	3038	3136	3451	3664	
1600	64	2093	2201	2451	2557	3136	3237	3562	3782	
1650	66	2158	2270	2528	2637	3234	3338	3673	3901	
1700	68	2224	2338	2604	2717	3332	3439	3784	4019	
1750	70	2289	2407	2681	2797	3430	3540	3896	4137	
1800	72	2354	2476	2758	2877	3528	3641	4007	4255	

Height H [mm]		1400	1600	1700	1800	1900	2000	2200	2300	2500
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
200	8	622	690	724	756	787	818	877	906	960
250	10	777	863	905	945	984	1023	1096	1132	1200
300	12	932	1036	1086	1134	1181	1228	1315	1358	1440
350	14	1088	1208	1267	1323	1378	1432	1534	1585	1680
400	16	1243	1381	1448	1512	1574	1637	1754	1811	1920
450	18	1399	1553	1629	1701	1771	1841	1973	2038	2160
500	20	1554	1726	1810	1890	1968	2046	2192	2264	2400
550	22	1709	1899	1991	2079	2165	2251	2411	2490	2640
600	24	1865	2071	2172	2268	2362	2455	2630	2717	2880
650	26	2020	2244	2353	2457	2558	2660	2850	2943	
700	28	2176	2416	2534	2646	2755	2864	3096		
750	30	2331	2589	2715	2835	2952	3069			
800	32	2486	2762	2896	3024	3149				
850	34	2642	2934	3077	3213					
900	36	2797	3107	3258						
950	38	2953	3279							
1000	40	3108								
1050	42	3263								
1100	44	3419								



Replacement heights are marked in grey colour



KARIN VX TANDEM HORIZONTAL

page 188

EUROPEAN WARRANTY

MATERIAL:
- Vertical collectors in painted mild steel ø 30 mm.
- Double horizontal heating elements in painted mild steel, 15X20 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice. The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

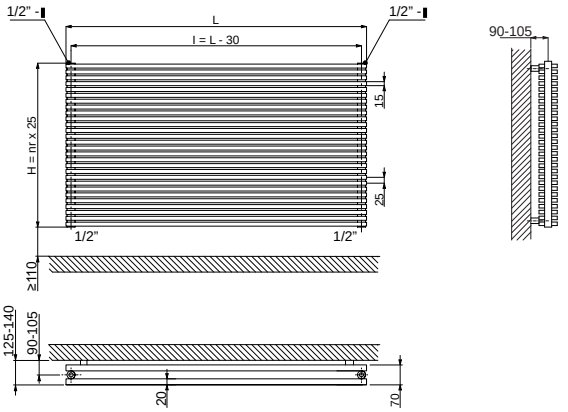
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

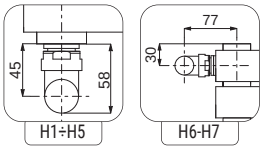
WIDTH L [mm]	500	600	800	1000	1200	1400	1500	1600	1700
Dry Weight per section [kg]	0,613	0,725	0,949	1,173	1,397	1,621	1,733	1,845	1,957
Element Water content [lt]	0,250	0,295	0,383	0,472	0,561	0,650	0,694	0,738	0,783
Element surface [m2]	0,075	0,089	0,117	0,145	0,173	0,201	0,215	0,229	0,243
Pipe Centres I [mm] (H1 only)	470	570	770	970	1170	1370	1470	1570	1670

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

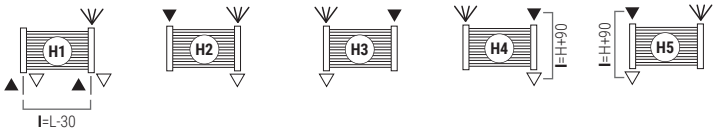
WIDTH L [mm]	1800	1900	2000	2200	2300	2500
Dry Weight per section [kg]	2,069	2,181	2,293	2,405	2,517	2,629
Element Water content [lt]	0,827	0,871	0,916	0,961	1,006	1,051
Element surface [m2]	0,257	0,271	0,285	0,299	0,313	0,327
Pipe Centres I [mm] (H1 only)	1770	1870	1970	2170	2270	2470



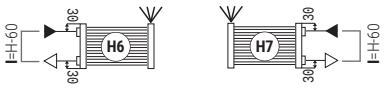
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **KARIN VX TANDEM HORIZONTAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	WIDTH in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Karin VX tandem horizontal	Numero elements E.g.: 12 elements	WIDTH in cm Example: 1200 mm	Article code of the connection Example: connection H4	Article code of the colour Example: S16 - Canary	Constant value
	KT15	12	120	H04	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
KT15 KARIN VX TANDEM HORIZONTAL
12 12 elements (see the table shown on the side)
120 WIDTH 1200 mm (see the table shown on the side)
H04 connection H4
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
KT15 12 120 H04 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve corner right
with thermostatic option
white R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311176

Multilayer conn. Ø 16
Art. nr. 5991990311175



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

KARIN VX TANDEM HORIZONTAL

All intermediate sizes are available for widths from 8 to 72 elements and heights from 500 to 2500 mm

WIDTH L [mm]		500	600	800	1000	1200	1400	1500	1600	1700	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
200	8	294	353	471	589	707	824	883	942	1001	317	1,2131
250	10	347	416	555	694	833	972	1041	1110	1180	374	1,2112
300	12	395	473	631	789	947	1105	1184	1262	1341	425	1,2093
350	14	438	525	700	875	1050	1225	1313	1400	1488	479	1,1803
400	16	477	572	762	953	1144	1334	1430	1525	1620	519	1,1887
450	18	512	614	819	1024	1229	1433	1536	1638	1741	556	1,1970
500	20	544	653	870	1088	1306	1523	1632	1741	1850	588	1,2054
550	22	573	688	917	1146	1375	1604	1719	1833	1948	618	1,2081
600	24	599	719	959	1198	1438	1677	1797	1917	2037	646	1,2109
650	26	623	747	996	1245	1494	1743	1868	1992	2117	670	1,2137
700	28	644	772	1030	1287	1544	1802	1931	2059	2188	711	1,1624
750	30	663	795	1060	1325	1590	1855	1988	2120	2253	735	1,1543
800	32	679	815	1086	1358	1630	1901	2037	2173	2309	756	1,1462
850	34	694	832	1110	1387	1664	1942	2081	2219	2358	776	1,1380
900	36	707	848	1130	1413	1696	1978	2120	2261	2402	794	1,1299
950	38	718	861	1148	1435	1722	2009	2153	2296		810	1,1218
1000	40	728	873	1164	1455	1746	2037	2183			803	1,1637
1050	42	736	883	1177	1471	1765	2059	2207			815	1,1556
1100	44	742	890	1187	1484	1781	2078				821	1,1597
1150	46	749	899	1198	1498	1797					836	1,1393
1200	48	755	906	1208	1510	1812					844	1,1312
1250	50	761	913	1217	1522	1826					858	1,1231
1300	52	766	920	1226	1533	1839					867	1,1149
1350	54	772	926	1235	1544						877	1,1068
1400	56	778	933	1245	1556						888	1,0987
1450	58	784	941	1255	1568						898	1,0906
1500	60	791	949	1266	1582						910	1,0824
1550	62	799	958	1278	1597						923	1,0743
1600	64	807	969	1292	1615						937	1,0662
1650	66	817	981	1308	1635						952	1,0581
1700	68	829	995	1326	1658						970	1,0499
1750	70	842	1010	1347	1684						989	1,0418
1800	72	857	1028	1371	1713						1010	1,0337

WIDTH L [mm]		1800	1900	2000	2200	2300	2500	OUTPUT PER LINEAR METER	Exp.
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
200	8	1060	1119	1178	1296	1354	1472	317	1,2131
250	10	1249	1319	1388	1527	1596	1735	374	1,2112
300	12	1420	1499	1578	1736	1815	1973	425	1,2093
350	14	1575	1663	1750	1925	2013	2188	479	1,1803
400	16	1716	1811	1906	2097	2192	2383	519	1,1887
450	18	1843	1945	2048	2253	2355	2560	556	1,1970
500	20	1958	2067	2176	2394	2502	2720	588	1,2054
550	22	2063	2177	2292	2521	2636	2865	618	1,2081
600	24	2157	2277	2396	2636	2756	2996	646	1,2109
650	26	2242	2366	2491	2740	2864	3113	670	1,2137
700	28	2317	2445	2574	2831			711	1,1624
750	30	2385	2518	2650				735	1,1543
800	32	2444	2580					756	1,1462
850	34	2497	2635					776	1,1380



ALICE 18 VERTICAL

page 190

EUROPEAN WARRANTY

EN 442-1 RADIATORS AND CONVECTORS

Radiators, convectors and ceiling-mounted radiant panels, hot water heating, fan assisted and mixed

MATERIAL:
• Horizontal collectors in painted mild steel ø 38 mm.
• Vertical heating elements in painted mild steel ø 18 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

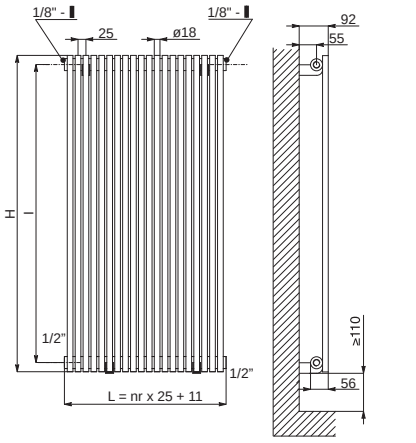
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

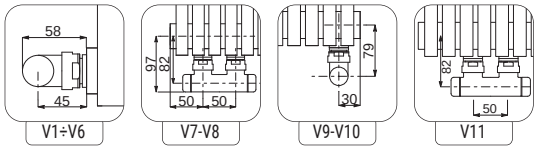
Height H [mm]	400	500	600	700	800	1000	1200	1400	1500
Therm. output per el. Δt = 50 °C [Watt]	14,8	18,6	22,3	26	29,7	36,9	43,8	50,5	53,8
Therm. output per el. Δt = 30 °C [Watt]	7,5	9,5	11,4	13,3	15,2	18,9	22,5	26,1	27,8
Dry Weight per section [kg]	0,253	0,303	0,353	0,403	0,453	0,552	0,652	0,751	0,801
Element Water content [lt]	0,125	0,145	0,164	0,184	0,203	0,241	0,279	0,317	0,336
Element surface [m²]	0,029	0,035	0,04	0,046	0,051	0,063	0,074	0,085	0,091
Exp. **n**	1,3237	1,3208	1,3179	1,3149	1,312	1,3061	1,3002	1,2943	1,2914
Pipe Centres I [mm] (V3-V4 only)	342	442	542	642	742	942	1142	1342	1442

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

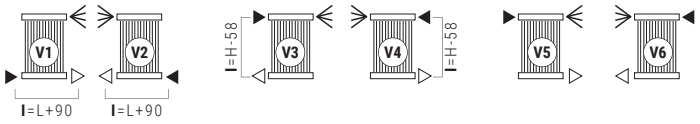
Height H [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	57	60,1	63,2	66,2	69,1	72	74,8	77,6	82,9
Therm. output per el. Δt = 30 °C [Watt]	29,5	31,2	32,8	34,4	36,0	37,6	39,1	40,6	43,5
Dry Weight per section [kg]	0,851	0,901	0,95	1	1,05	1,100	1,149	1,199	1,299
Element Water content [lt]	0,356	0,375	0,394	0,413	0,432	0,451	0,47	0,489	0,528
Element surface [m²]	0,096	0,102	0,108	0,113	0,119	0,126	0,13	0,136	0,147
Exp. **n**	1,2884	1,2855	1,2826	1,2796	1,2767	1,2737	1,2708	1,2678	1,2619
Pipe Centres I [mm] (V3-V4 only)	1542	1642	1742	1842	1942	2042	2142	2242	2442



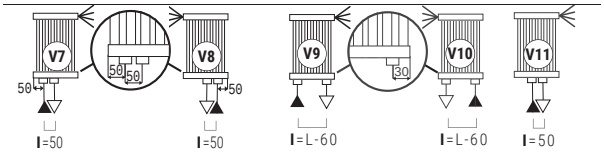
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ALICE 18 VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Alice 18 vertical	Numero elements E.g.: 24 elements	Height in cm Example: 800 mm	Article code of the connection Example: connection V8	Article code of the colour Example: S16 - Canary	Constant value
	AL18	24	080	V08	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AL18 ALICE 18 VERTICAL
24 24 elements (see the table shown on the side)
080 Height 800 mm (see the table shown on the side)
V08 connection V08
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
AL18 24 080 V08 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kit 2 Hooks
WHITE RAL 9010 - R01

Art. nr. 5991990310388



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ALICE 18 VERTICAL

All intermediate sizes are available for widths from 5 to 70 elements and heights from 400 to 2500 mm

Height H [mm]		400	500	600	700	800	1000	1200	1400	1500
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
136	5	74	93	112	130	149	185	219	253	269
161	6	89	112	134	156	178	221	263	303	323
186	7	103	130	156	182	208	258	307	354	377
211	8	118	149	178	208	238	295	350	404	430
236	9	133	167	201	234	267	332	394	455	484
261	10	148	186	223	260	297	369	438	505	538
286	11	163	205	245	286	327	406	482	556	592
311	12	177	223	268	312	356	443	526	606	646
336	13	192	242	290	338	386	480	569	657	699
361	14	207	260	312	364	416	517	613	707	753
386	15	222	279	335	390	446	554	657	758	807
411	16	236	298	357	416	475	590	701	808	861
436	17	251	316	379	442	505	627	745	859	915
461	18	266	335	401	468	535	664	788	909	968
486	19	281	353	424	494	564	701	832	960	1022
511	20	296	372	446	520	594	738	876	1010	1076
536	21	310	391	468	546	624	775	920	1061	1130
561	22	325	409	491	572	653	812	964	1111	1184
586	23	340	428	513	598	683	849	1007	1162	1237
611	24	355	446	535	624	713	886	1051	1212	1291
636	25	370	465	558	650	743	923	1095	1263	1345
661	26	384	484	580	676	772	959	1139	1313	1399
686	27	399	502	602	702	802	996	1183	1364	1453
711	28	414	521	624	728	832	1033	1226	1414	1506
736	29	429	539	647	754	861	1070	1270	1465	1560
761	30	443	558	669	780	891	1107	1314	1515	1614
811	32	473	595	714	832	950	1181	1402	1616	1722
861	34	503	632	758	884	1010	1255	1489	1717	1829
911	36	532	670	803	936	1069	1328	1577	1818	1937
961	38	562	707	847	988	1129	1402	1664	1919	2044
1011	40	591	744	892	1040	1188	1476	1752	2020	2152
1061	42	621	781	937	1092	1247	1550	1840	2121	2260
1136	45	665	837	1004	1170	1337	1661	1971	2273	2421
1261	50	739	930	1115	1300	1485	1845	2190	2525	2690
1386	55	813	1023	1227	1430	1634	2030	2409	2778	2959
1511	60	887	1116	1338	1560	1782	2214	2628	3030	3228
1636	65	961	1209	1450	1690	1931	2399	2847	3283	3497
1761	70	1035	1302	1561	1820	2079	2583	3066	3535	3766

Height H [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
136	5	285	301	316	333	346	360	371	388	415
161	6	342	361	379	400	415	432	445	466	497
186	7	399	421	442	466	484	504	519	543	580
211	8	456	481	506	533	553	576	594	621	663
236	9	513	541	569	599	622	648	668	698	746
261	10	570	601	632	666	691	720	742	776	829
286	11	627	661	695	733	760	792	816	854	912
311	12	684	721	758	799	829	864	890	931	995
336	13	741	781	822	866	898	936	965	1009	1078
361	14	798	841	885	932	967	1008	1039	1086	1161
386	15	855	902	948	999	1037	1080	1113	1164	1244
411	16	912	962	1011	1066	1106	1152	1187	1242	1326
436	17	969	1022	1074	1132	1175	1224	1261	1319	1409
461	18	1026	1082	1138	1199	1244	1296	1336	1397	1492
486	19	1083	1142	1201	1265	1313	1368	1410	1474	1575
511	20	1140	1202	1264	1332	1382	1440	1484	1552	1658
536	21	1197	1262	1327	1399	1451	1512	1558	1630	1741
561	22	1254	1322	1390	1465	1520	1584	1632	1707	1824
586	23	1311	1382	1454	1532	1589	1656	1707	1785	1907
611	24	1368	1442	1517	1598	1658	1728	1781	1862	1990
636	25	1425	1503	1580	1665	1728	1800	1855	1940	2073
661	26	1482	1563	1643	1732	1797	1872	1929	2018	2155
686	27	1539	1623	1706	1798	1866	1944	2003	2095	2238
711	28	1596	1683	1770	1865	1935	2016	2078	2173	2321
736	29	1653	1743	1833	1931	2004	2088	2152	2250	2404
761	30	1710	1803	1896	1998	2073	2160	2226	2328	2487
811	32	1824	1923	2022	2131	2211	2304	2374	2483	2653
861	34	1938	2043	2149	2264	2349	2448	2523	2638	2819
911	36	2052	2164	2275	2398	2488	2592	2671	2794	2984
961	38	2166	2284	2402	2531	2626	2736	2820	2949	3150
1011	40	2280	2404	2528	2664	2764	2880	2968	3104	3316
1061	42	2394	2524	2654	2797	2902	3024	3116	3259	3482
1136	45	2565	2705	2844	2997	3110	3240	3339	3492	3731
1261	50	2850	3005	3160	3330	3455	3600	3710	3880	4145
1386	55	3135	3306	3476	3663	3801	3960	4081	4268	4560
1511	60	3420	3606	3792	3996	4146	4320	4452	4656	4974
1636	65	3705	3907	4108	4329	4492	4680	4823	5044	5389
1761	70	3990	4207	4424	4662	4837	5040	5194	5432	5803



ALICE 18 HORIZONTAL

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EUROPEAN WARRANTY

EN 442-1 RADIATORS AND CONVECTORS

Radiators, convectors and ceiling-mounted radiant panels, hot water heating, fan assisted and mixed

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

MATERIAL:
- Vertical collectors in painted mild steel ø 38 mm.
- Horizontal heating elements in painted mild steel ø 18 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

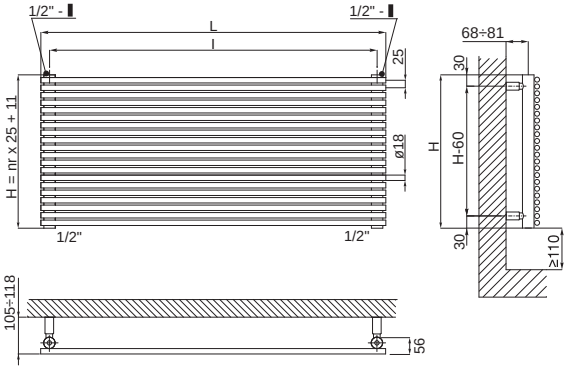
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

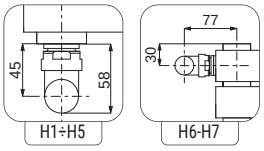
WIDTH L [mm]	400	500	600	700	800	1000	1200	1400	1500
Dry Weight per section [kg]	0,253	0,303	0,353	0,403	0,453	0,552	0,652	0,751	0,801
Element Water content [lt]	0,125	0,145	0,164	0,184	0,203	0,241	0,279	0,317	0,336
Element surface [m2]	0,029	0,035	0,040	0,046	0,051	0,063	0,074	0,085	0,091
Pipe Centres I [mm] (H1 only)	342	442	542	642	742	942	1142	1342	1442

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

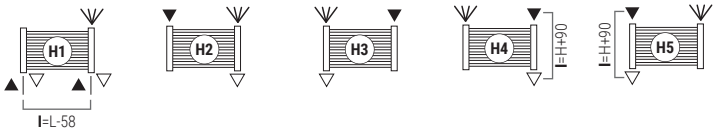
WIDTH L [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Dry Weight per section [kg]	0,851	0,901	0,950	1,000	1,050	1,100	1,149	1,199	1,299
Element Water content [lt]	0,356	0,375	0,394	0,413	0,432	0,451	0,470	0,489	0,528
Element surface [m2]	0,096	0,102	0,108	0,113	0,119	0,126	0,130	0,136	0,147
Pipe Centres I [mm] (H1 only)	1542	1642	1742	1842	1942	2042	2142	2242	2442



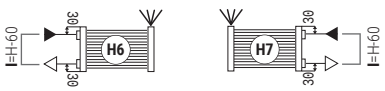
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ALICE 18 HORIZONTAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	WIDTH in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Alice 18 horizontal	Numero elements E.g.: 12 elements	WIDTH in cm Example: 1200 mm	Article code of the connection Example: connection H4	Article code of the colour Example: S16 - Canary	Constant value
	AL18	12	120	H04	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AL18 ALICE 18 HORIZONTAL
12 12 elements (see the table shown on the side)
120 WIDTH 1200 mm (see the table shown on the side)
H04 connection H4
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
AL18 12 120 H04 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve corner right
with thermostatic option
white R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311176

Multilayer conn. Ø 16
Art. nr. 5991990311175



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ALICE 18 HORIZONTAL

WIDTH L [mm]		400	500	600	700	800	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exp. n
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	
136	5	77	96	115	134	154	192	230	269	288	100	1,2809
161	6	94	117	140	164	187	234	281	328	351	122	1,2795
186	7	110	138	165	193	220	275	330	385	413	143	1,2781
211	8	127	159	190	222	254	317	380	444	476	165	1,2767
236	9	144	180	215	251	287	359	431	503	539	187	1,2753
261	10	160	201	241	281	321	401	481	561	602	209	1,2739
286	11	177	222	266	310	354	443	532	620	665	231	1,2725
311	12	194	242	290	339	387	484	581	678	726	253	1,2711
336	13	210	263	316	368	421	526	631	736	789	275	1,2697
361	14	227	284	341	398	454	568	682	795	852	297	1,2683
386	15	244	305	365	426	487	609	731	853	914	319	1,2669
411	16	260	325	390	455	520	650	780	910	975	341	1,2655
436	17	276	346	415	484	553	691	829	967	1037	362	1,2641
461	18	293	366	439	512	586	732	878	1025	1098	384	1,2627
486	19	309	386	463	540	618	772	926	1081	1158	405	1,2613
511	20	325	407	488	569	650	813	976	1138	1220	427	1,2599
536	21	341	427	512	597	682	853	1024	1194	1280	448	1,2585
561	22	357	447	536	625	714	893	1072	1250	1340	470	1,2571
586	23	373	466	559	652	746	932	1118	1305	1398	491	1,2557
611	24	389	486	583	680	778	972	1166	1361	1458	512	1,2543
636	25	404	506	607	708	809	1011	1213	1415	1517	533	1,2530
661	26	420	525	629	734	839	1049	1259	1469	1574	553	1,2516
686	27	435	544	653	762	870	1088	1306	1523	1632	574	1,2502
711	28	450	563	676	788	901	1126	1351	1576	1689	595	1,2488
736	29	466	582	698	815	931	1164	1397	1630	1746	615	1,2474
761	30	481	601	721	841	962	1202	1442	1683	1803	636	1,2460
811	32	510	638	766	893	1021	1276	1531	1786	1914	676	1,2432
861	34	540	675	809	944	1079	1349	1619	1889	2024	716	1,2404
911	36	568	711	853	995	1137	1421	1705	1989	2132	755	1,2376
961	38	596	746	895	1044	1193	1491	1789	2087	2237	793	1,2348
1011	40	624	781	937	1093	1249	1561	1873	2185	2342	832	1,2320
1061	42	652	815	977	1140	1303	1629	1955	2281	2444	869	1,2292
1136	45	678	848	1018	1187	1357	1696	2035	2374	2544	925	1,2264
1261	50	755	944	1133	1322	1510	1888	2266	2643	2832	1013	1,2180
1386	55	816	1020	1224	1428	1632	2040	2448	2856	3060	1096	1,2110
1511	60	874	1093	1311	1530	1748	2185	2622	3059	3278	1181	1,2040
1636	65	928	1161	1393	1625	1857	2321	2785	3249	3482	1259	1,1970
1761	70	980	1225	1470	1715	1960	2450	2940	3430	3675	1334	1,1900

WIDTH L [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500	OUTPUT PER LINEAR METER	Exp. n
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	
136	5	307	326	346	365	384	403	422	442	480	100	1,2809
161	6	374	398	421	445	468	491	515	538	585	122	1,2795
186	7	440	468	495	523	550	578	605	633	688	143	1,2781
211	8	507	539	571	602	634	666	697	729	793	165	1,2767
236	9	574	610	646	682	718	754	790	826	898	187	1,2753
261	10	642	682	722	762	802	842	882	922	1003	209	1,2739
286	11	709	753	797	842	886	930	975	1019	1108	231	1,2725
311	12	774	823	871	920	968	1016	1065	1113	1210	253	1,2711
336	13	842	894	947	999	1052	1105	1157	1210	1315	275	1,2697
361	14	909	966	1022	1079	1136	1193	1250	1306	1420	297	1,2683
386	15	974	1035	1096	1157	1218	1279	1340	1401	1523	319	1,2669
411	16	1040	1105	1170	1235	1300	1365	1430	1495	1625	341	1,2655
436	17	1106	1175	1244	1313	1382	1451	1520	1589	1728	362	1,2641
461	18	1171	1244	1318	1391	1464	1537	1610	1684	1830	384	1,2627
486	19	1235	1312	1390	1467	1544	1621	1698	1776	1930	405	1,2613
511	20	1301	1382	1463	1545	1626	1707	1789	1870	2033	427	1,2599
536	21	1365	1450	1535	1621	1706	1791	1877	1962	2133	448	1,2585
561	22	1429	1518	1607	1697	1786	1875	1965	2054	2233	470	1,2571
586	23	1491	1584	1678	1771	1864	1957	2050	2144	2330	491	1,2557
611	24	1555	1652	1750	1847	1944	2041	2138	2236	2430	512	1,2543
636	25	1618	1719	1820	1921	2022	2123	2224	2325	2528	533	1,2530
661	26	1678	1783	1888	1993	2098	2203	2308	2413	2623	553	1,2516
686	27	1741	1850	1958	2067	2176	2285	2394	2502	2720	574	1,2502
711	28	1802	1914	2027	2139	2252	2365	2477	2590	2815	595	1,2488
736	29	1862	1979	2095	2212	2328	2444	2561	2677	2910	615	1,2474
761	30	1923	2043	2164	2284	2404	2524	2644	2765	3005	636	1,2460
811	32	2042	2169	2297	2424	2552	2680	2807	2935	3190	676	1,2432
861	34	2158	2293	2428	2563	2698	2833	2968	3103	3373	716	1,2404
911	36	2274	2416	2558	2700	2842	2984	3126	3268	3553	755	1,2376
961	38	2386	2535	2684	2833	2982	3131	3280	3429	3728	793	1,2348
1011	40	2498	2654	2810	2966	3122	3278	3434	3590	3903	832	1,2320
1061	42	2606	2769	2932	3095	3258	3421	3584	3747	4073	869	1,2292
1136	45	2714	2883	3053	3222	3392	3562	3731	3901	4240	925	1,2264
1261	50	3021	3210	3398	3587	3776	3965	4154	4342	4720	1013	1,2180
1386	55	3264	3468	3672	3876	4080	4284	4488	4692	5100	1096	1,2110
1511	60	3496	3715	3933	4152	4370	4589	4807	5026	5463	1181	1,2040
1636	65	3714	3946	4178	4410	4642	4874	5106	5338	5803	1259	1,1970
1761	70	3920	4165	4410	4655	4900	5145	5390	5635	6125	1334	1,1900



ALICE 18 TANDEM VERTICAL

page 194

EUROPEAN WARRANTY

Radiators, convectors and ceiling-mounted radiant panels, hot water heating, fan assisted and mixed

MATERIAL:
- Horizontal collectors in painted mild steel ø 38 mm.
- Double vertical heating elements in painted mild steel ø 18 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

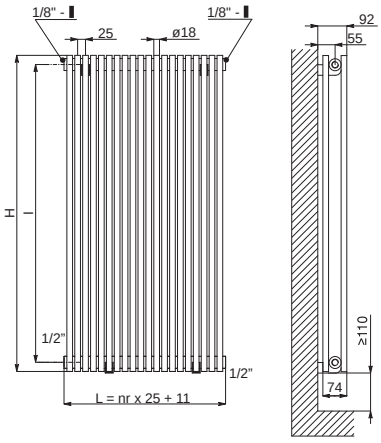
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

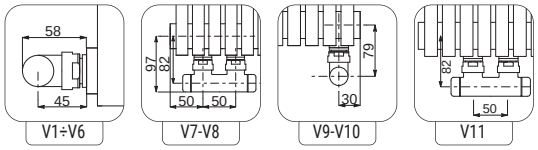
Height H [mm]	500	558	600	658	800	858	958	1000	1200
Therm. output per el. Δt = 50 °C [Watt]	30,4	33,4	35,5	38,4	45,4	48,2	52,9	54,9	64
Therm. output per el. Δt = 30 °C [Watt]	15,3	16,8	17,9	19,4	22,9	24,3	26,7	27,7	32,3
Dry Weight per section [kg]	0,553	0,610	0,652	0,709	0,851	0,908	1,008	1,050	1,249
Element Water content [lt]	0,241	0,263	0,279	0,301	0,356	0,378	0,416	0,432	0,508
Element surface [m²]	0,063	0,069	0,074	0,080	0,096	0,103	0,114	0,119	0,142
Exp. **n**	1,3428	1,3426	1,3424	1,3419	1,3415	1,3416	1,3419	1,3410	1,3397
Pipe Centres I [mm] (V3-V4 only)	442	500	542	600	742	800	900	942	1142

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

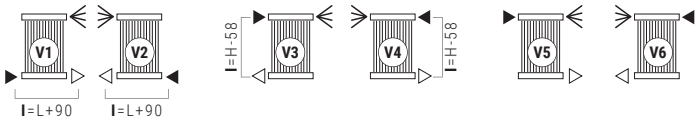
Height H [mm]	1400	1600	1800	1900	2000	2100	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	72,9	81,6	90,1	94,2	98,3	102	106	110	118
Therm. output per el. Δt = 30 °C [Watt]	36,8	41,2	45,5	47,6	49,7	51,6	53,6	55,6	59,7
Dry Weight per section [kg]	1,448	1,647	1,846	1,945	2,045	2,095	2,244	2,344	2,543
Element Water content [lt]	0,585	0,661	0,738	0,776	0,814	0,833	0,891	0,929	1,005
Element surface [m²]	0,164	0,187	0,210	0,221	0,232	0,238	0,255	0,266	0,289
Exp. **n**	1,3388	1,3379	1,3371	1,3366	1,3362	1,3357	1,3353	1,3348	1,3340
Pipe Centres I [mm] (V3-V4 only)	1342	1542	1742	1842	1942	2042	2142	2242	2442



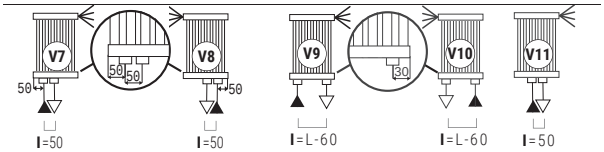
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ALICE 18 TANDEM VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Alice 18 tandem vertical	Numero elements E.g.: 24 elements	Height in cm Example: 800 mm	Article code of the connection Example: connection V8	Article code of the colour Example: S16 - Canary	Constant value
	AT18	24	080	V08	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AT18 ALICE 18 TANDEM VERTICAL
24 24 elements (see the table shown on the side)
080 Height 800 mm (see the table shown on the side)
V08 connection V08
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
AT18 24 080 V08 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
Pipe centres 50 mm left
white R01 - ral 90101

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ALICE 18 TANDEM VERTICAL

All intermediate sizes are available for widths from 5 to 40 elements and heights from 500 to 2500 mm

Height H [mm]		500	558	600	658	800	858	958	1000	1200
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
136	5	152	167	178	192	227	241	265	275	320
161	6	182	200	213	230	272	289	317	329	384
186	7	213	234	249	269	318	337	370	384	448
211	8	243	267	284	307	363	386	423	439	512
236	9	274	301	320	346	409	434	476	494	576
261	10	304	334	355	384	454	482	529	549	640
286	11	334	367	391	422	499	530	582	604	704
311	12	365	401	426	461	545	578	635	659	768
336	13	395	434	462	499	590	627	688	714	832
361	14	426	468	497	538	636	675	741	769	896
386	15	456	501	533	576	681	723	794	824	960
411	16	486	534	568	614	726	771	846	878	1024
436	17	517	568	604	653	772	819	899	933	1088
461	18	547	601	639	691	817	868	952	988	1152
486	19	578	635	675	730	863	916	1005	1043	1216
511	20	608	668	710	768	908	964	1058	1098	1280
536	21	638	701	746	806	953	1012	1111	1153	1344
561	22	669	735	781	845	999	1060	1164	1208	1408
586	23	699	768	817	883	1044	1109	1217	1263	1472
611	24	730	802	852	922	1090	1157	1270	1318	1536
636	25	760	835	888	960	1135	1205	1323	1373	1600
661	26	790	868	923	998	1180	1253	1375	1427	1664
686	27	821	902	959	1037	1226	1301	1428	1482	1728
711	28	851	935	994	1075	1271	1350	1481	1537	1792
736	29	882	969	1030	1114	1317	1398	1534	1592	1856
761	30	912	1002	1065	1152	1362	1446	1587	1647	1920
786	31	942	1035	1101	1190	1407	1494	1640	1702	1984
811	32	973	1069	1136	1229	1453	1542	1693	1757	2048
836	33	1003	1102	1172	1267	1498	1591	1746	1812	2112
861	34	1034	1136	1207	1306	1544	1639	1799	1867	2176
886	35	1064	1169	1243	1344	1589	1687	1852	1922	2240
911	36	1094	1202	1278	1382	1634	1735	1904	1976	2304
936	37	1125	1236	1314	1421	1680	1783	1957	2031	2368
961	38	1155	1269	1349	1459	1725	1832	2010	2086	2432
986	39	1186	1303	1385	1498	1771	1880	2063	2141	2496
1011	40	1216	1336	1420	1536	1816	1928	2116	2196	2560



Replacement heights are marked in grey colour

Height H [mm]		1400	1600	1800	1900	2000	2100	2200	2300	2500
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
136	5	365	408	451	474	492	510	525	550	590
161	6	437	490	541	569	590	612	630	660	708
186	7	510	571	631	664	688	714	735	770	826
211	8	583	653	721	758	786	816	840	880	944
236	9	656	734	811	853	885	918	945	990	1062
261	10	729	816	901	948	983	1020	1050	1100	1180
286	11	802	898	991	1043	1081	1122	1155	1210	1298
311	12	875	979	1081	1138	1180	1224	1260	1320	1416
336	13	948	1061	1171	1232	1278	1326	1365	1430	1534
361	14	1021	1142	1261	1327	1376	1428	1470	1540	1652
386	15	1094	1224	1352	1422	1475	1530	1575	1650	1770
411	16	1166	1306	1442	1517	1573	1632	1680	1760	1888
436	17	1239	1387	1532	1612	1671	1734	1785	1870	2006
461	18	1312	1469	1622	1706	1769	1836	1890	1980	2124
486	19	1385	1550	1712	1801	1868	1938	1995	2090	2242
511	20	1458	1632	1802	1896	1966	2040	2100	2200	2360
536	21	1531	1714	1892	1991	2064	2142	2205	2310	2478
561	22	1604	1795	1982	2086	2163	2244	2310	2420	2596
586	23	1677	1877	2072	2180	2261	2346	2415	2530	2714
611	24	1750	1958	2162	2275	2359	2448	2520	2640	2832
636	25	1823	2040	2253	2370	2458	2550	2625	2750	2950
661	26	1895	2122	2343	2465	2556	2652	2730	2860	3068
686	27	1968	2203	2433	2560	2654	2754	2835	2970	3186
711	28	2041	2285	2523	2654	2752	2856	2940	3080	3304
736	29	2114	2366	2613	2749	2851	2958	3045	3190	3422
761	30	2187	2448	2703	2844	2949	3060	3150	3300	3540
786	31	2260	2530	2793	2939	3047	3162	3255	3410	3658
811	32	2333	2611	2883	3034	3146	3264	3360	3520	3776
836	33	2406	2693	2973	3128	3244	3366	3465	3630	3894
861	34	2479	2774	3063	3223	3342	3468	3570	3740	4012
886	35	2552	2856	3154	3318	3441	3570	3675	3850	4130
911	36	2624	2938	3244	3413	3539	3672	3780	3960	4248
936	37	2697	3019	3334	3508	3637	3774	3885	4070	4366
961	38	2770	3101	3424	3602	3735	3876	3990	4180	4484
986	39	2843	3182	3514	3697	3834	3978	4095	4290	4602
1011	40	2916	3264	3604	3792	3932	4080	4200	4400	4720



ALICE 18 TANDEM HORIZONTAL

page 198

EUROPEAN WARRANTY

EN 442-1 RADIATORS AND CONVECTORS

Radiators, convectors and ceiling-mounted radiant panels, hot water heating, fan assisted and mixed

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

MATERIAL:
- Vertical collectors in painted mild steel ø 38 mm.
- Double horizontal heating elements in painted mild steel ø 18 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice. The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

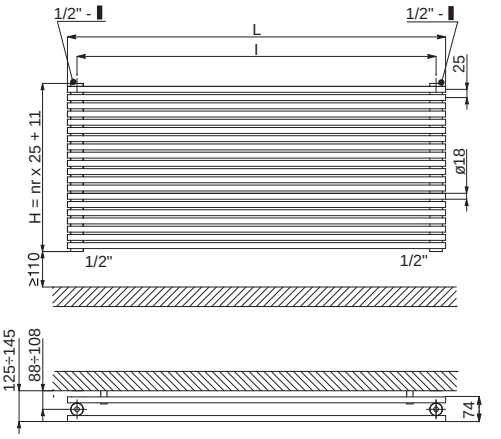
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

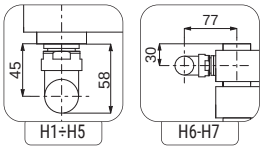
WIDTH L [mm]	400	500	600	700	800	1000	1200	1400	1500
Dry Weight per section [kg]	0,45	0,552	0,652	0,75	0,851	1,050	1,249	1,448	1,547
Element Water content [lt]	0,20	0,241	0,279	0,32	0,356	0,432	0,508	0,585	0,623
Element surface [m2]	0,05	0,063	0,074	0,09	0,096	0,119	0,142	0,164	0,176
Pipe Centres I [mm] (H1 only)	342	442	542	642	742	942	1142	1342	1442

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

WIDTH L [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Dry Weight per section [kg]	1,647	1,746	1,846	1,945	2,045	2,095	2,25	2,45	2,65
Element Water content [lt]	0,661	0,700	0,738	0,776	0,814	0,833	0,89	0,97	1,04
Element surface [m2]	0,187	0,198	0,210	0,221	0,232	0,238	0,25	0,28	0,30
Pipe Centres I [mm] (H1 only)	1542	1642	1742	1842	1942	2042	2142	2242	2442



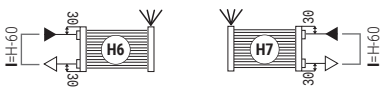
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ALICE 18 TANDEM HORIZONTAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	WIDTH in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Alice 18 tandem horizontal	Numero elements E.g.: 20 elements	WIDTH in cm Example: 1200 mm	Article code of the connection Example: connection H4	Article code of the colour Example: S16 - Canary	Constant value
	AT18	20	120	H04	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AT18 ALICE 18 TANDEM HORIZONTAL
20 20 elements (see the table shown on the side)
120 WIDTH 1200 mm (see the table shown on the side)
H04 connection H4
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
AT18 20 120 H04 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve corner right
with thermostatic option
white R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311176

Multilayer conn. Ø 16
Art. nr. 5991990311175



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ALICE 18 TANDEM HORIZONTAL

All intermediate sizes are available for widths from 5 to 40 elements and heights from 400 to 2500 mm

WIDTH L [mm]		400	500	600	700	800	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exp. n
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	
136	5	142	178	214	249	285	356	427	498	534	187	1,2593
161	6	168	210	251	293	335	419	503	587	629	220	1,2583
186	7	192	240	287	355	383	479	575	671	719	252	1,2564
211	8	216	270	323	377	431	539	647	755	809	284	1,2564
236	9	239	299	358	418	478	597	716	836	896	315	1,2554
261	10	262	328	393	459	524	655	786	917	983	345	1,2544
286	11	284	356	427	498	569	711	853	995	1067	375	1,2534
311	12	306	383	460	536	613	766	919	1072	1149	404	1,2524
336	13	328	411	493	575	657	821	985	1149	1232	433	1,2514
361	14	350	438	525	613	700	875	1050	1225	1313	462	1,2504
386	15	371	464	556	649	742	927	1112	1298	1391	490	1,2494
411	16	392	490	587	685	783	979	1175	1371	1469	518	1,2484
436	17	412	516	619	722	825	1031	1237	1443	1547	545	1,2474
461	18	432	541	649	757	865	1081	1297	1513	1622	572	1,2464
486	19	452	566	679	792	905	1131	1357	1583	1697	599	1,2454
511	20	472	591	709	827	945	1181	1417	1653	1772	625	1,2444
536	21	492	615	737	860	983	1229	1475	1721	1844	651	1,2434
561	22	511	639	766	894	1022	1277	1532	1788	1916	677	1,2425
586	23	530	662	794	927	1059	1324	1589	1854	1986	702	1,2415
611	24	548	686	823	960	1097	1371	1645	1919	2057	728	1,2405
636	25	567	709	850	992	1134	1417	1700	1984	2126	753	1,2395
661	26	585	732	878	1024	1170	1463	1756	2048	2195	777	1,2385
686	27	603	754	905	1056	1206	1508	1810	2111	2262	801	1,2375
711	28	621	777	932	1087	1242	1553	1864	2174	2330	826	1,2365
736	29	638	798	958	1117	1277	1596	1915	2234	2394	849	1,2355
761	30	656	820	984	1148	1312	1640	1968	2296	2460	873	1,2345
786	31	673	842	1010	1178	1346	1683	2020	2356	2525	896	1,2335
811	32	690	863	1035	1208	1380	1725	2070	2415	2588	919	1,2325
836	33	707	884	1060	1237	1414	1767	2120	2474	2651	942	1,2315
861	34	724	905	1085	1266	1447	1809	2171	2533	2714	965	1,2305
886	35	740	925	1110	1295	1480	1850	2220	2590	2775	987	1,2296
911	36	756	945	1134	1323	1512	1890	2268	2646	2835	1009	1,2286
936	37	772	965	1158	1351	1544	1930	2316	2702	2895	1031	1,2276
961	38	788	985	1182	1379	1576	1970	2364	2758	2955	1053	1,2266
986	39	804	1005	1205	1406	1607	2009	2411	2813	3014	1074	1,2256
1011	40	819	1024	1228	1433	1638	2047	2456	2866	3071	1095	1,2246

WIDTH L [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500	OUTPUT PER LINEAR METER	Exp. n
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	
136	5	570	605	641	676	712	748	783	819	890	187	1,2593
161	6	670	712	754	796	838	880	922	964	1048	220	1,2583
186	7	766	814	862	910	958	1006	1054	1102	1198	252	1,2564
211	8	862	916	970	1024	1078	1132	1186	1240	1348	284	1,2564
236	9	955	1015	1075	1134	1194	1254	1313	1373	1493	315	1,2554
261	10	1048	1114	1179	1245	1310	1376	1441	1507	1638	345	1,2544
286	11	1138	1209	1280	1351	1422	1493	1564	1635	1778	375	1,2534
311	12	1226	1302	1379	1455	1532	1609	1685	1762	1915	404	1,2524
336	13	1314	1396	1478	1560	1642	1724	1806	1888	2053	433	1,2514
361	14	1400	1488	1575	1663	1750	1838	1925	2013	2188	462	1,2504
386	15	1483	1576	1669	1761	1854	1947	2039	2132	2318	490	1,2494
411	16	1566	1664	1762	1860	1958	2056	2154	2252	2448	518	1,2484
436	17	1650	1753	1856	1959	2062	2165	2268	2371	2578	545	1,2474
461	18	1730	1838	1946	2054	2162	2270	2378	2486	2703	572	1,2464
486	19	1810	1923	2036	2149	2262	2375	2488	2601	2828	599	1,2454
511	20	1890	2008	2126	2244	2362	2480	2598	2716	2953	625	1,2444
536	21	1966	2089	2212	2335	2458	2581	2704	2827	3073	651	1,2434
561	22	2043	2171	2299	2426	2554	2682	2809	2937	3193	677	1,2425
586	23	2118	2251	2383	2516	2648	2780	2913	3045	3310	702	1,2415
611	24	2194	2331	2468	2605	2742	2879	3016	3153	3428	728	1,2405
636	25	2267	2409	2551	2692	2834	2976	3117	3259	3543	753	1,2395
661	26	2341	2487	2633	2780	2926	3072	3219	3365	3658	777	1,2385
686	27	2413	2564	2714	2865	3016	3167	3318	3468	3770	801	1,2375
711	28	2485	2640	2795	2951	3106	3261	3417	3572	3883	826	1,2365
736	29	2554	2713	2873	3032	3192	3352	3511	3671	3990	849	1,2355
761	30	2624	2788	2952	3116	3280	3444	3608	3772	4100	873	1,2345
786	31	2693	2861	3029	3198	3366	3534	3703	3871	4208	896	1,2335
811	32	2760	2933	3105	3278	3450	3623	3795	3968	4313	919	1,2325
836	33	2827	3004	3181	3357	3534	3711	3887	4064	4418	942	1,2315
861	34	2894	3075	3256	3437	3618	3799	3980	4161	4523	965	1,2305
886	35	2960	3145	3330	3515	3700	3885	4070	4255	4625	987	1,2296
911	36	3024	3213	3402	3591	3780	3969	4158	4347	4725	1009	1,2286
936	37	3088	3281	3474	3667	3860	4053	4246	4439	4825	1031	1,2276
961	38	3152	3349	3546	3743	3940	4137	4334	4531	4925	1053	1,2266
986	39	3214	3415	3616	3817	4018	4219	4420	4621	5023	1074	1,2256
1011	40	3275	3480	3685	3889	4094	4299	4503	4708	5118	1095	1,2246



ALICE 22 VERTICAL

page 200

EUROPEAN WARRANTY

NEW

MATERIAL:
• Horizontal collectors in painted mild steel ø 30 mm.
• Vertical heating elements in painted mild steel ø 22 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

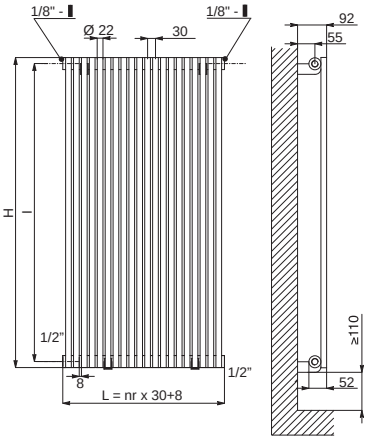
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

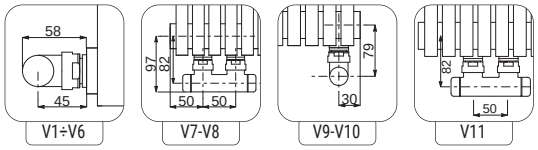
Height H [mm]	400	500	600	700	800	1000	1200	1400	1500
Therm. output per el. Δt = 50 °C [Watt]	19	23,4	27,6	31,7	35,8	43,8	51,5	59	62,7
Therm. output per el. Δt = 30 °C [Watt]	9,9	12,2	14,5	16,7	18,9	23,1	27,2	31,1	33
Dry Weight per section [kg]	0,271	0,322	0,374	0,426	0,478	0,582	0,685	0,789	0,841
Element Water content [lt]	0,16	0,191	0,223	0,254	0,286	0,349	0,411	0,474	0,5
Element surface [m²]	0,33	0,04	0,047	0,054	0,061	0,075	0,089	0,102	0,109
Exp. **n**	1,2757	1,2695	1,2634	1,2573	1,2512	1,2470	1,2508	1,2546	1,2565
Pipe Centres I [mm] (V3-V4 only)	370	470	570	670	770	970	1170	1370	1470

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

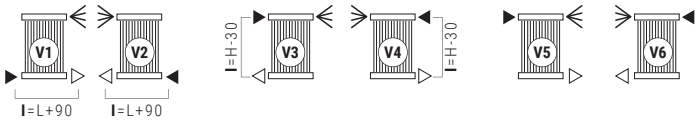
Height H [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	66,3	69,9	73,4	76,9	80,4	83,3	87,1	90,5	97
Therm. output per el. Δt = 30 °C [Watt]	34,8	36,7	38,4	40,2	41,9	43,6	45,3	47,7	51,2
Dry Weight per section [kg]	0,893	0,945	0,996	1,048	1,1	1,152	1,204	1,256	1,359
Element Water content [lt]	0,537	0,568	0,6	0,631	0,663	0,694	0,726	0,757	0,82
Element surface [m²]	0,116	0,123	0,13	0,137	0,144	0,151	0,158	0,165	0,178
Exp. **n**	1,2599	1,2633	1,2667	1,2701	1,2735	1,2769	1,2803	1,2837	1,2871
Pipe Centres I [mm] (V3-V4 only)	1570	1670	1770	1870	1970	2070	2170	2270	2470



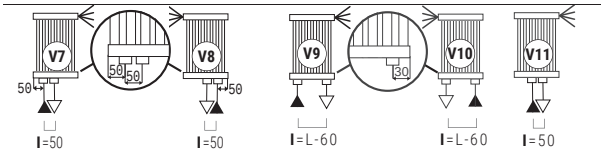
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ALICE 22 VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Alice 22 vertical	Numero elements E.g.: 24 elements	Height in cm Example: 800 mm	Article code of the connection Example: connection V1	Article code of the colour Example: S16 - Canary	Constant value
	AL22	24	080	V01	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AL22 ALICE 22 VERTICAL
24 24 elements (see the table shown on the side)
080 Height 800 mm (see the table shown on the side)
V01 connection V1
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
AL22 24 080 V01 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
Pipe centres 50 mm left
white R01 - ral 90101

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ALICE 22 VERTICAL

All intermediate sizes are available for widths from 5 to 54 elements and heights from 400 to 2500 mm

Height H [mm]		400	500	600	700	800	1000	1200	1400	1500
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
150	5	95	117	138	159	179	219	258	295	314
180	6	114	140	166	190	215	263	309	354	376
210	7	133	164	193	222	251	307	361	413	439
240	8	152	187	221	254	286	350	412	472	502
270	9	171	211	248	285	322	394	464	531	564
300	10	190	234	276	317	358	438	515	590	627
330	11	209	257	304	349	394	482	567	649	690
360	12	228	281	331	380	430	526	618	708	752
390	13	247	304	359	412	465	569	670	767	815
420	14	266	328	386	444	501	613	721	826	878
450	15	285	351	414	476	537	657	773	885	941
480	16	304	374	442	507	573	701	824	944	1003
510	17	323	398	469	539	609	745	876	1003	1066
540	18	342	421	497	571	644	788	927	1062	1129
570	19	361	445	524	602	680	832	979	1121	1191
600	20	380	468	552	634	716	876	1030	1180	1254
630	21	399	491	580	666	752	920	1082	1239	1317
660	22	418	515	607	697	788	964	1133	1298	1379
690	23	437	538	635	729	823	1007	1185	1357	1442
720	24	456	562	662	761	859	1051	1236	1416	1505
750	25	475	585	690	793	895	1095	1288	1475	1568
780	26	494	608	718	824	931	1139	1339	1534	1630
810	27	513	632	745	856	967	1183	1391	1593	1693
840	28	532	655	773	888	1002	1226	1442	1652	1756
870	29	551	679	800	919	1038	1270	1494	1711	1818
900	30	570	702	828	951	1074	1314	1545	1770	1881
960	32	608	749	883	1014	1146	1402	1648	1888	2006
1020	34	646	796	938	1078	1217	1489	1751	2006	2132
1080	36	684	842	994	1141	1289	1577	1854	2124	2257
1140	38	722	889	1049	1205	1360	1664	1957	2242	2383
1200	40	760	936	1104	1268	1432	1752	2060	2360	2508
1260	42	798	983	1159	1331	1504	1840	2163	2478	2633
1320	44	836	1030	1214	1395	1575	1927	2266	2596	2759
1380	46	874	1076	1270	1458	1647	2015	2369	2714	2884
1440	48	912	1123	1325	1522	1718	2102	2472	2832	3010
1500	50	950	1170	1380	1585	1790	2190	2575	2950	3135
1560	52	988	1217	1435	1648	1862	2278	2678	3068	3260
1620	54	1026	1264	1490	1712	1933	2365	2781	3186	3386

Height H [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
150	5	332	350	367	385	402	417	436	453	485
180	6	398	419	440	461	482	500	523	543	582
210	7	464	489	514	538	563	583	610	634	679
240	8	530	559	587	615	643	666	697	724	776
270	9	597	629	661	692	724	750	784	815	873
300	10	663	699	734	769	804	833	871	905	970
330	11	729	769	807	846	884	916	958	996	1067
360	12	796	839	881	923	965	1000	1045	1086	1164
390	13	862	909	954	1000	1045	1083	1132	1177	1261
420	14	928	979	1028	1077	1126	1166	1219	1267	1358
450	15	995	1049	1101	1154	1206	1250	1307	1358	1455
480	16	1061	1118	1174	1230	1286	1333	1394	1448	1552
510	17	1127	1188	1248	1307	1367	1416	1481	1539	1649
540	18	1193	1258	1321	1384	1447	1499	1568	1629	1746
570	19	1260	1328	1395	1461	1528	1583	1655	1720	1843
600	20	1326	1398	1468	1538	1608	1666	1742	1810	1940
630	21	1392	1468	1541	1615	1688	1749	1829	1901	2037
660	22	1459	1538	1615	1692	1769	1833	1916	1991	2134
690	23	1525	1608	1688	1769	1849	1916	2003	2082	2231
720	24	1591	1678	1762	1846	1930	1999	2090	2172	2328
750	25	1658	1748	1835	1923	2010	2083	2178	2263	2425
780	26	1724	1817	1908	1999	2090	2166	2265	2353	2522
810	27	1790	1887	1982	2076	2171	2249	2352	2444	2619
840	28	1856	1957	2055	2153	2251	2332	2439	2534	2716
870	29	1923	2027	2129	2230	2332	2416	2526	2625	2813
900	30	1989	2097	2202	2307	2412	2499	2613	2715	2910
960	32	2122	2237	2349	2461	2573	2666	2787	2896	3104
1020	34	2254	2377	2496	2615	2734	2832	2961	3077	3298
1080	36	2387	2516	2642	2768	2894	2999	3136	3258	3492
1140	38	2519	2656	2789	2922	3055	3165	3310	3439	3686
1200	40	2652	2796	2936	3076	3216	3332	3484	3620	3880
1260	42	2785	2936	3083	3230	3377	3499	3658	3801	4074
1320	44	2917	3076	3230	3384	3538	3665	3832	3982	4268
1380	46	3050	3215	3376	3537	3698	3832	4007	4163	4462
1440	48	3182	3355	3523	3691	3859	3998	4181	4344	4656
1500	50	3315	3495	3670	3845	4020	4165	4355	4525	4850
1560	52	3448	3635	3817	3999	4181	4332	4529	4706	5044
1620	54	3580	3775	3964	4153	4342	4498	4703	4887	5238



ALICE 22 HORIZONTAL

page 202

EUROPEAN WARRANTY

NEW

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Horizontal heating elements in painted mild steel ø 22 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice. The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

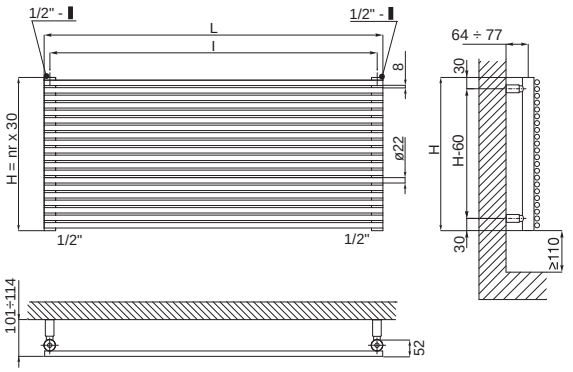
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

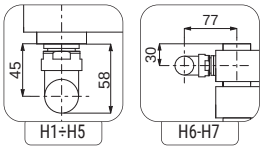
WIDTH L [mm]	400	500	600	700	800	1000	1200	1400	1500
Dry Weight per section [kg]	0,271	0,322	0,374	0,426	0,478	0,582	0,685	0,789	0,841
Element Water content [lt]	0,16	0,191	0,223	0,254	0,286	0,349	0,411	0,474	0,5
Element surface [m2]	0,33	0,04	0,047	0,054	0,061	0,075	0,089	0,102	0,109
Pipe Centres I [mm] (H1 only)	370	470	570	670	770	970	1170	1370	1470

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

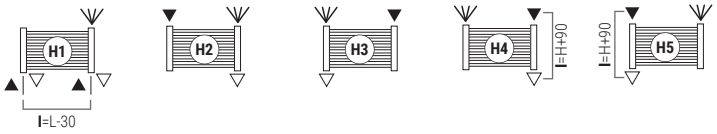
WIDTH L [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Dry Weight per section [kg]	0,893	0,945	0,996	1,048	1,1	1,152	1,204	1,256	1,359
Element Water content [lt]	0,537	0,568	0,6	0,631	0,663	0,694	0,726	0,757	0,82
Element surface [m2]	0,116	0,123	0,13	0,137	0,144	0,151	0,158	0,165	0,178
Pipe Centres I [mm] (H1 only)	1570	1670	1770	1870	1970	2070	2170	2270	2470



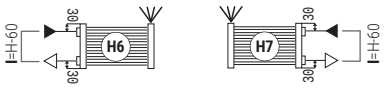
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋖ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ALICE 22 HORIZONTAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	WIDTH in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Alice 22 horizontal	Numero elements E.g.: 12 elements	WIDTH in cm Example: 1200 mm	Article code of the connection Example: connection H1	Article code of the colour Example: S16 - Canary	Constant value
	AL22	12	120	H01	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AL22 ALICE 22 HORIZONTAL
12 24 elements (see the table shown on the side)
120 WIDTH 1200 mm (see the table shown on the side)
H01 connection H1
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
AL22 12 120 H01 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve corner right
with thermostatic option
white R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311176

Multilayer conn. Ø 16
Art. nr. 5991990311175



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ALICE 22 HORIZONTAL

All intermediate sizes are available for widths from 5 to 54 elements and heights from 400 to 2500 mm

WIDTH L [mm]		400	500	600	700	800	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exp. n
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	
150	5	70	87	105	122	140	174	209	244	262	90	1,1992
180	6	88	109	131	153	175	219	263	306	328	113	1,2016
210	7	106	132	159	185	212	265	317	370	397	137	1,2040
240	8	124	156	187	218	249	311	373	436	467	162	1,2064
270	9	143	179	215	251	287	358	430	502	538	186	1,2088
300	10	162	203	244	284	325	406	487	569	609	212	1,2112
330	11	182	227	273	318	363	454	545	636	681	237	1,2136
360	12	201	251	301	352	402	502	603	703	754	263	1,2160
390	13	220	275	330	385	440	551	661	771	826	288	1,2184
420	14	239	299	359	419	479	599	718	838	898	314	1,2208
450	15	259	323	388	453	517	647	776	905	970	340	1,2232
480	16	278	347	416	486	555	694	833	972	1041	371	1,2271
510	17	297	371	445	519	593	741	890	1038	1112	396	1,2296
540	18	315	394	473	552	631	788	946	1104	1182	420	1,2321
570	19	334	417	501	584	668	835	1002	1169	1252	444	1,2346
600	20	352	440	528	617	705	881	1057	1233	1321	468	1,2371
630	21	370	463	556	648	741	926	1111	1297	1389	492	1,2396
660	22	388	486	583	680	777	971	1165	1359	1457	515	1,2421
690	23	406	508	609	711	812	1015	1218	1421	1523	538	1,2446
720	24	424	529	635	741	847	1059	1271	1482	1588	560	1,2471
750	25	441	551	661	771	881	1102	1322	1543	1653	585	1,2386
780	26	458	572	686	801	915	1144	1373	1602	1716	610	1,2302
810	27	474	593	711	830	949	1186	1423	1660	1779	635	1,2217
840	28	491	613	736	859	981	1227	1472	1717	1840	660	1,2133
870	29	507	633	760	887	1013	1267	1520	1773	1900	685	1,2048
900	30	522	653	784	914	1045	1306	1567	1828	1959	709	1,1964
960	32	553	691	830	968	1106	1383	1659	1936	2074	751	1,1949
1020	34	582	728	874	1019	1165	1456	1747	2038	2184	791	1,1933
1080	36	610	763	916	1068	1221	1526	1831	2137	2289	830	1,1918
1140	38	637	797	956	1115	1275	1593	1912	2231	2390	868	1,1902
1200	40	663	829	994	1160	1326	1657	1989	2320	2486	912	1,1835
1260	42	687	859	1031	1203	1375	1718	2062	2406	2578	950	1,1817
1320	44	710	888	1066	1243	1421	1776	2131	2487	2664	986	1,1799
1380	46	732	916	1099	1282	1465	1831	2197	2563	2747	1020	1,1781
1440	48	753	941	1130	1318	1506	1883	2259	2636	2824	1052	1,1763
1500	50	773	966	1159	1352	1545	1932	2318	2704	2897	1084	1,1745
1560	52	791	989	1186	1384	1582	1977	2373	2768	2966	1114	1,1727
1620	54	808	1010	1212	1414	1616	2020	2425	2829	3031	1142	1,1709

WIDTH L [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500	OUTPUT PER LINEAR METER	Exp. n
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	
150	5	279	297	314	332	349	366	384	401	436	90	1,1992
180	6	350	372	394	416	438	460	482	503	547	113	1,2016
210	7	423	450	476	503	529	556	582	609	661	137	1,2040
240	8	498	529	560	591	622	653	685	716	778	162	1,2064
270	9	574	609	645	681	717	753	789	824	896	186	1,2088
300	10	650	690	731	772	812	853	894	934	1015	212	1,2112
330	11	727	772	818	863	908	954	999	1045	1135	237	1,2136
360	12	804	854	904	954	1005	1055	1105	1155	1256	263	1,2160
390	13	881	936	991	1046	1101	1156	1211	1266	1376	288	1,2184
420	14	958	1018	1077	1137	1197	1257	1317	1377	1497	314	1,2208
450	15	1034	1099	1164	1228	1293	1358	1422	1487	1616	340	1,2232
480	16	1111	1180	1249	1319	1388	1458	1527	1596	1735	371	1,2271
510	17	1186	1260	1335	1409	1483	1557	1631	1705	1854	396	1,2296
540	18	1261	1340	1419	1498	1577	1655	1734	1813	1971	420	1,2321
570	19	1336	1419	1503	1586	1670	1753	1837	1920	2087	444	1,2346
600	20	1409	1497	1585	1674	1762	1850	1938	2026	2202	468	1,2371
630	21	1482	1575	1667	1760	1852	1945	2038	2130	2316	492	1,2396
660	22	1554	1651	1748	1845	1942	2039	2136	2233	2428	515	1,2421
690	23	1624	1726	1828	1929	2031	2132	2234	2335	2538	538	1,2446
720	24	1694	1800	1906	2012	2118	2224	2330	2435	2647	560	1,2471
750	25	1763	1873	1983	2093	2204	2314	2424	2534	2755	585	1,2386
780	26	1831	1945	2059	2174	2288	2403	2517	2631	2860	610	1,2302
810	27	1897	2016	2134	2253	2371	2490	2609	2727	2964	635	1,2217
840	28	1962	2085	2208	2330	2453	2576	2698	2821	3066	660	1,2133
870	29	2027	2153	2280	2407	2533	2660	2787	2913	3167	685	1,2048
900	30	2090	2220	2351	2481	2612	2743	2873	3004	3265	709	1,1964
960	32	2212	2350	2489	2627	2765	2903	3042	3180	3456	751	1,1949
1020	34	2329	2475	2621	2766	2912	3057	3203	3349	3640	791	1,1933
1080	36	2442	2595	2747	2900	3052	3205	3358	3510	3816	830	1,1918
1140	38	2549	2709	2868	3027	3187	3346	3505	3665	3984	868	1,1902
1200	40	2652	2818	2983	3149	3315	3481	3646	3812	4144	912	1,1835
1260	42	2749	2921	3093	3265	3437	3609	3780	3952	4296	950	1,1817
1320	44	2842	3020	3197	3375	3552	3730	3908	4085	4441	986	1,1799
1380	46	2930	3113	3296	3479	3662	3845	4028	4211	4578	1020	1,1781
1440	48	3012	3201	3389	3577	3766	3954	4142	4330	4707	1052	1,1763
1500	50	3091	3284	3477	3670	3863	4056	4249	4443	4829	1084	1,1745
1560	52	3164	3362	3559	3757	3955	4153	4350	4548	4944	1114	1,1727
1620	54	3233	3435	3637	3839	4041	4243	4445	4647	5051	1142	1,1709



ALICE 22 TANDEM VERTICAL

page 204

EUROPEAN WARRANTY

NEW

MATERIAL:
• Horizontal collectors in painted mild steel ø 30 mm.
• Double vertical heating elements in painted mild steel ø 22 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

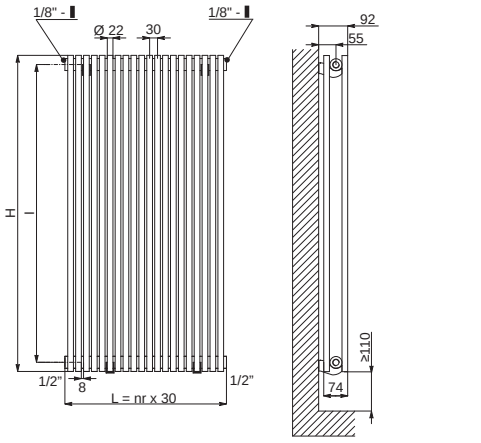
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

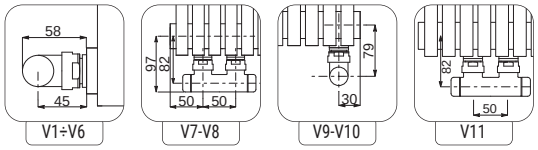
Height H [mm]	500	530	600	630	800	830	930	1000	1200
Therm. output per el. Δt = 50 °C [Watt]	35,7	37,5	41,6	43,4	53,1	54,7	60,2	64	74,4
Therm. output per el. Δt = 30 °C [Watt]	18,5	19,4	21,5	22,4	27,3	28,2	30,9	32,9	38,2
Dry Weight per section [kg]	0,58	0,61	0,69	0,72	0,89	0,92	1,03	1,10	1,31
Element Water content [lt]	0,349	0,367	0,411	0,43	0,537	0,556	0,619	0,663	0,788
Element surface [m²]	0,075	0,079	0,089	0,093	0,116	0,12	0,134	0,144	0,172
Exp. **n**	1,2873	1,2886	1,2915	1,2928	1,2999	1,3012	1,3040	1,3037	1,3028
Pipe Centres I [mm] (V3-V4 only)	470	500	570	600	770	800	900	970	1170

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

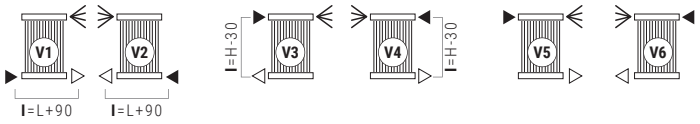
Height H [mm]	1400	1600	1800	1900	2000	2100	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	84,5	94,2	103,6	108,2	112,7	117,2	121,6	125,9	134,4
Therm. output per el. Δt = 30 °C [Watt]	43,4	48,3	52,9	55,1	57,3	59,4	61,5	64,9	69,4
Dry Weight per section [kg]	1,52	1,72	1,93	2,03	2,14	2,24	2,34	2,45	2,66
Element Water content [lt]	0,914	1,04	1,165	1,228	1,291	1,354	1,417	1,479	1,605
Element surface [m²]	0,199	0,227	0,254	0,268	0,282	0,296	0,31	0,324	0,351
Exp. **n**	1,3019	1,3060	1,3149	1,3194	1,3238	1,3283	1,3328	1,3372	1,3417
Pipe Centres I [mm] (V3-V4 only)	1370	1570	1770	1870	1970	2070	2170	2270	2470



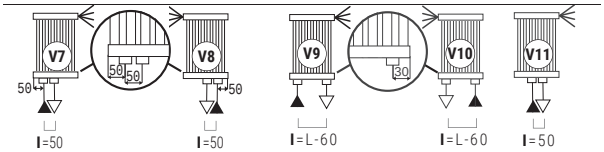
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ALICE 22 TANDEM VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Alice 22 tandem vertical	Numero elements E.g.: 24 elements	Height in cm Example: 800 mm	Article code of the connection Example: connection V2	Article code of the colour Example: S16 - Canary	Constant value
	AT22	24	080	V02	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AT22 ALICE 22 TANDEM VERTICAL
24 24 elements (see the table shown on the side)
080 Height 800 mm (see the table shown on the side)
V02 connection V2
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
AT22 24 080 V02 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
Pipe centres 50 mm left
white R01 - ral 90101

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ALICE 22 TANDEM VERTICAL

All intermediate sizes are available for widths from 5 to 42 elements and heights from 500 to 2500 mm

Height H [mm]		500	530	600	630	800	830	930	1000	1200
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
150	5	179	188	208	217	266	274	301	320	372
180	6	214	225	250	260	319	328	361	384	446
210	7	250	263	291	304	372	383	421	448	521
240	8	286	300	333	347	425	438	482	512	595
270	9	321	338	374	391	478	492	542	576	670
300	10	357	375	416	434	531	547	602	640	744
330	11	393	413	458	477	584	602	662	704	818
360	12	428	450	499	521	637	656	722	768	893
390	13	464	488	541	564	690	711	783	832	967
420	14	500	525	582	608	743	766	843	896	1042
450	15	536	563	624	651	797	821	903	960	1116
480	16	571	600	666	694	850	875	963	1024	1190
510	17	607	638	707	738	903	930	1023	1088	1265
540	18	643	675	749	781	956	985	1084	1152	1339
570	19	678	713	790	825	1009	1039	1144	1216	1414
600	20	714	750	832	868	1062	1094	1204	1280	1488
630	21	750	788	874	911	1115	1149	1264	1344	1562
660	22	785	825	915	955	1168	1203	1324	1408	1637
690	23	821	863	957	998	1221	1258	1385	1472	1711
720	24	857	900	998	1042	1274	1313	1445	1536	1786
750	25	893	938	1040	1085	1328	1368	1505	1600	1860
780	26	928	975	1082	1128	1381	1422	1565	1664	1934
810	27	964	1013	1123	1172	1434	1477	1625	1728	2009
840	28	1000	1050	1165	1215	1487	1532	1686	1792	2083
870	29	1035	1088	1206	1259	1540	1586	1746	1856	2158
900	30	1071	1125	1248	1302	1593	1641	1806	1920	2232
930	31	1107	1163	1290	1345	1646	1696	1866	1984	2306
960	32	1142	1200	1331	1389	1699	1750	1926	2048	2381
990	33	1178	1238	1373	1432	1752	1805	1987	2112	2455
1020	34	1214	1275	1414	1476	1805	1860	2047	2176	2530
1050	35	1250	1313	1456	1519	1859	1915	2107	2240	2604
1080	36	1285	1350	1498	1562	1912	1969	2167	2304	2678
1110	37	1321	1388	1539	1606	1965	2024	2227	2368	2753
1140	38	1357	1425	1581	1649	2018	2079	2288	2432	2827
1170	39	1392	1463	1622	1693	2071	2133	2348	2496	2902
1200	40	1428	1500	1664	1736	2124	2188	2408	2560	2976
1230	41	1464	1538	1706	1779	2177	2243	2468	2624	3050
1260	42	1499	1575	1747	1823	2230	2297	2528	2688	3125

Height H [mm]		1400	1600	1800	1900	2000	2100	2200	2300	2500
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
150	5	423	471	518	541	564	586	608	630	672
180	6	507	565	622	649	676	703	730	755	806
210	7	592	659	725	757	789	820	851	881	941
240	8	676	754	829	866	902	938	973	1007	1075
270	9	761	848	932	974	1014	1055	1094	1133	1210
300	10	845	942	1036	1082	1127	1172	1216	1259	1344
330	11	930	1036	1140	1190	1240	1289	1338	1385	1478
360	12	1014	1130	1243	1298	1352	1406	1459	1511	1613
390	13	1099	1225	1347	1407	1465	1524	1581	1637	1747
420	14	1183	1319	1450	1515	1578	1641	1702	1763	1882
450	15	1268	1413	1554	1623	1691	1758	1824	1889	2016
480	16	1352	1507	1658	1731	1803	1875	1946	2014	2150
510	17	1437	1601	1761	1839	1916	1992	2067	2140	2285
540	18	1521	1696	1865	1948	2029	2110	2189	2266	2419
570	19	1606	1790	1968	2056	2141	2227	2310	2392	2554
600	20	1690	1884	2072	2164	2254	2344	2432	2518	2688
630	21	1775	1978	2176	2272	2367	2461	2554	2644	2822
660	22	1859	2072	2279	2380	2479	2578	2675	2770	2957
690	23	1944	2167	2383	2489	2592	2696	2797	2896	3091
720	24	2028	2261	2486	2597	2705	2813	2918	3022	3226
750	25	2113	2355	2590	2705	2818	2930	3040	3148	3360
780	26	2197	2449	2694	2813	2930	3047	3162	3273	3494
810	27	2282	2543	2797	2921	3043	3164	3283	3399	3629
840	28	2366	2638	2901	3030	3156	3282	3405	3525	3763
870	29	2451	2732	3004	3138	3268	3399	3526	3651	3898
900	30	2535	2826	3108	3246	3381	3516	3648	3777	4032
930	31	2620	2920	3212	3354	3494	3633	3770	3903	4166
960	32	2704	3014	3315	3462	3606	3750	3891	4029	4301
990	33	2789	3109	3419	3571	3719	3868	4013	4155	4435
1020	34	2873	3203	3522	3679	3832	3985	4134	4281	4570
1050	35	2958	3297	3626	3787	3945	4102	4256	4407	4704
1080	36	3042	3391	3730	3895	4057	4219	4378	4532	4838
1110	37	3127	3485	3833	4003	4170	4336	4499	4658	4973
1140	38	3211	3580	3937	4112	4283	4454	4621	4784	5107
1170	39	3296	3674	4040	4220	4395	4571	4742	4910	5242
1200	40	3380	3768	4144	4328	4508	4688	4864	5036	5376
1230	41	3465	3862	4248	4436	4621	4805	4986	5162	5510
1260	42	3549	3956	4351	4544	4733	4922	5107	5288	5645



ALICE 22 TANDEM HORIZONTAL

page 208

EUROPEAN WARRANTY

NEW

MATERIAL:
• Horizontal collectors in painted mild steel ø 30 mm.
• Double horizontal heating elements in painted mild steel ø 22 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice. The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

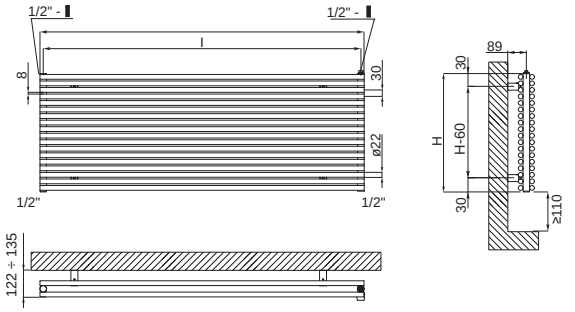
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

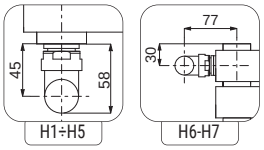
WIDTH L [mm]	400	500	600	700	800	1000	1200	1400	1500
Dry Weight per section [kg]	0,478	0,582	0,685	0,789	0,893	1,1	1,307	1,515	1,618
Element Water content [lt]	0,286	0,349	0,411	0,474	0,537	0,663	0,788	0,914	0,977
Element surface [m2]	0,061	0,075	0,089	0,102	0,116	0,144	0,172	0,199	0,213
Pipe Centres I [mm] (H1 only)	370	470	570	670	770	970	1170	1370	1470

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

WIDTH L [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Dry Weight per section [kg]	1,722	1,826	1,929	2,033	2,137	2,24	2,344	2,448	2,655
Element Water content [lt]	1,04	1,102	1,165	1,228	1,291	1,354	1,417	1,479	1,605
Element surface [m2]	0,227	0,241	0,254	0,268	0,282	0,296	0,31	0,324	0,351
Pipe Centres I [mm] (H1 only)	1570	1670	1770	1870	1970	2070	2170	2270	2470



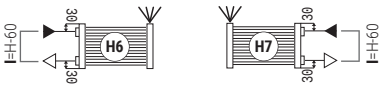
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ALICE 22 TANDEM HORIZONTAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	WIDTH in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Alice 22 tandem horizontal	Numero elements E.g.: 12 elements	WIDTH in cm Example: 1200 mm	Article code of the connection Example: connection H4	Article code of the colour Example: S16 - Canary	Constant value
	AT22	12	120	H04	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AT22 ALICE 22 TANDEM HORIZONTAL
12 12 elements (see the table shown on the side)
120 WIDTH 1200 mm (see the table shown on the side)
H04 connection H4
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
AT22 12 120 H04 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve corner right
with thermostatic option
white R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311176

Multilayer conn. Ø 16
Art. nr. 5991990311175



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ALICE 22 TANDEM HORIZONTAL

All intermediate sizes are available for widths from 5 to 42 elements and heights from 500 to 2500 mm

WIDTH L [mm]		400	500	600	700	800	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exp. n
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	
150	5	106	133	159	186	212	265	319	372	398	129	1,1948
180	6	135	168	202	236	269	337	404	471	505	165	1,1978
210	7	164	205	246	287	328	409	491	573	614	201	1,2008
240	8	193	242	290	338	386	483	580	676	725	238	1,2038
270	9	223	278	334	390	446	557	668	780	835	276	1,2068
300	10	252	315	378	441	504	630	756	883	946	313	1,2098
330	11	281	352	422	492	562	703	844	984	1055	351	1,2128
360	12	310	387	465	542	620	775	929	1084	1162	388	1,2158
390	13	338	422	507	591	676	845	1013	1182	1267	425	1,2188
420	14	365	456	548	639	730	913	1095	1278	1369	461	1,2218
450	15	392	490	588	686	783	979	1175	1371	1469	497	1,2248
480	16	418	522	626	731	835	1044	1253	1461	1566	558	1,2278
510	17	442	553	664	774	885	1106	1327	1548	1659	590	1,2316
540	18	466	583	700	816	933	1166	1399	1632	1749	620	1,2354
570	19	489	612	734	857	979	1224	1468	1713	1835	650	1,2393
600	20	512	639	767	895	1023	1279	1535	1790	1918	678	1,2431
630	21	533	666	799	932	1065	1332	1598	1864	1998	704	1,2469
660	22	553	691	829	967	1106	1382	1659	1935	2073	730	1,2507
690	23	572	715	858	1001	1144	1430	1716	2002	2145	753	1,2545
720	24	590	738	885	1033	1180	1475	1770	2066	2213	776	1,2583
750	25	607	759	911	1063	1215	1518	1822	2126	2278	799	1,2564
780	26	624	780	935	1091	1247	1559	1871	2183	2339	821	1,2545
810	27	639	799	958	1118	1278	1597	1916	2236	2396	842	1,2526
840	28	653	816	980	1143	1306	1633	1959	2286	2449	862	1,2507
870	29	667	833	1000	1166	1333	1666	2000	2333	2500	881	1,2488
900	30	679	849	1019	1188	1358	1698	2037	2377	2546	898	1,2469
930	31	691	863	1036	1208	1381	1726	2072	2417	2590	914	1,2450
960	32	701	877	1052	1227	1402	1753	2104	2454	2630	929	1,2431
990	33	711	889	1067	1244	1422	1778	2133	2489	2666	943	1,2412
1020	34	720	900	1080	1260	1440	1800	2160	2520	2700	956	1,2393
1050	35	728	910	1092	1274	1456	1821	2185	2549	2731	968	1,2374
1080	36	736	919	1103	1287	1471	1839	2207	2574	2758	978	1,2355
1110	37	742	928	1113	1299	1484	1855	2226	2598	2783	988	1,2336
1140	38	748	935	1122	1309	1496	1870	2244	2618	2805	997	1,2317
1170	39	753	941	1130	1318	1506	1883	2259	2636	2824	1055	1,2312
1200	40	758	947	1136	1326	1515	1894	2273	2651	2841	1065	1,2294
1230	41	761	952	1142	1332	1523	1903	2284	2664	2855	1075	1,2276
1260	42	764	955	1147	1338	1529	1911	2293	2675	2866	1084	1,2258

WIDTH L [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500	OUTPUT PER LINEAR METER	Exp. n
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	
150	5	425	451	478	504	531	558	584	611	664	129	1,1948
180	6	539	572	606	640	673	707	741	774	842	165	1,1978
210	7	655	696	737	778	819	860	901	942	1024	201	1,2008
240	8	773	821	870	918	966	1015	1063	1111	1208	238	1,2038
270	9	891	947	1002	1058	1114	1170	1225	1281	1392	276	1,2068
300	10	1009	1072	1135	1198	1261	1324	1387	1450	1576	313	1,2098
330	11	1125	1195	1265	1336	1406	1476	1547	1617	1758	351	1,2128
360	12	1239	1317	1394	1472	1549	1627	1704	1781	1936	388	1,2158
390	13	1351	1436	1520	1605	1689	1774	1858	1942	2111	425	1,2188
420	14	1461	1552	1643	1734	1826	1917	2008	2100	2282	461	1,2218
450	15	1567	1665	1763	1861	1959	2057	2155	2252	2448	497	1,2248
480	16	1670	1774	1879	1983	2088	2192	2296	2401	2610	558	1,2278
510	17	1770	1880	1991	2101	2212	2323	2433	2544	2765	590	1,2316
540	18	1866	1982	2099	2215	2332	2449	2565	2682	2915	620	1,2354
570	19	1958	2080	2202	2325	2447	2570	2692	2814	3059	650	1,2393
600	20	2046	2174	2302	2430	2558	2686	2814	2941	3197	678	1,2431
630	21	2131	2264	2397	2530	2663	2797	2930	3063	3329	704	1,2469
660	22	2211	2350	2488	2626	2764	2902	3041	3179	3455	730	1,2507
690	23	2288	2431	2574	2717	2860	3003	3146	3289	3575	753	1,2545
720	24	2361	2508	2656	2803	2951	3098	3246	3393	3689	776	1,2583
750	25	2429	2581	2733	2885	3037	3189	3340	3492	3796	799	1,2564
780	26	2494	2650	2806	2962	3118	3274	3430	3586	3898	821	1,2545
810	27	2555	2715	2875	3034	3194	3354	3513	3673	3993	842	1,2526
840	28	2613	2776	2939	3103	3266	3429	3592	3756	4082	862	1,2507
870	29	2666	2833	3000	3166	3333	3499	3666	3833	4166	881	1,2488
900	30	2716	2886	3056	3225	3395	3565	3735	3904	4244	898	1,2469
930	31	2762	2935	3108	3280	3453	3625	3798	3971	4316	914	1,2450
960	32	2805	2980	3156	3331	3506	3682	3857	4032	4383	929	1,2431
990	33	2844	3022	3200	3377	3555	3733	3911	4088	4444	943	1,2412
1020	34	2880	3060	3240	3420	3600	3780	3960	4140	4500	956	1,2393
1050	35	2913	3095	3277	3459	3641	3823	4005	4187	4551	968	1,2374
1080	36	2942	3126	3310	3494	3678	3862	4046	4229	4597	978	1,2355
1110	37	2969	3154	3340	3525	3711	3896	4082	4267	4639	988	1,2336
1140	38	2992	3179	3366	3553	3740	3927	4114	4301	4675	997	1,2317
1170	39	3012	3201	3389	3577	3766	3954	4142	4330	4707	1055	1,2312
1200	40	3030	3219	3409	3598	3788	3977	4166	4356	4735	1065	1,2294
1230	41	3045	3235	3426	3616	3806	3997	4187	4377	4758	1075	1,2276
1260	42	3057	3249	3440	3631	3822	4013	4204	4395	4777	1084	1,2258



ALICE 25 VERTICAL

page 210

EUROPEAN WARRANTY

NEW

MATERIAL:
- Horizontal collectors in painted mild steel ø 30 mm.
- Corpi radianti verticali in acciaio al carbonio verniciato ø 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice. The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

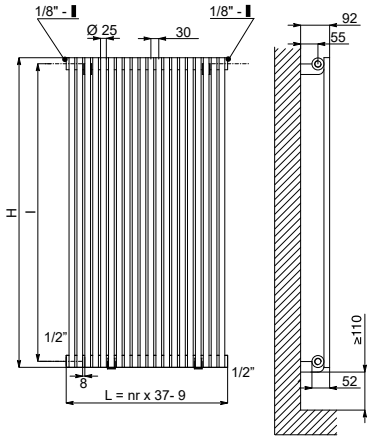
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

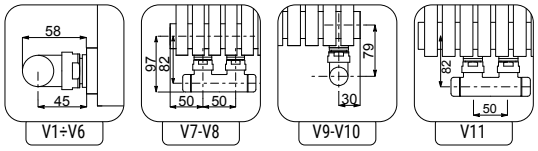
Height H [mm]	400	500	600	700	800	1000	1200	1400	1500
Therm. output per el. Δt = 50 °C [Watt]	23	27,7	32,2	36,7	41,2	49,9	58,8	67,1	71,4
Therm. output per el. Δt = 30 °C [Watt]	12,2	14,7	17,1	19,5	21,8	26,4	31	35,5	37,7
Dry Weight per section [kg]	0,315	0,374	0,434	0,493	0,552	0,670	0,789	0,907	0,967
Element Water content [lt]	0,209	0,250	0,292	0,333	0,375	0,458	0,541	0,624	0,666
Element surface [m²]	0,038	0,046	0,054	0,062	0,070	0,086	0,101	0,117	0,125
Exp. **n**	1,2335	1,2352	1,2369	1,2386	1,2403	1,2437	1,2460	1,2484	1,2496
Pipe Centres I [mm] (V3-V4 only)	370	470	570	670	770	970	1170	1370	1470

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

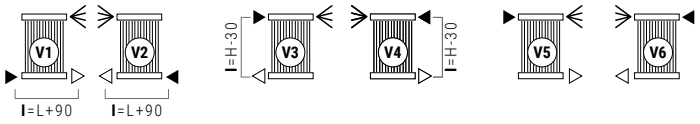
Height H [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	75,7	80	84,4	88,7	93	97,4	101,8	106,1	115
Therm. output per el. Δt = 30 °C [Watt]	40	42,2	44,4	46,6	48,9	51,1	53,3	55,6	60,2
Dry Weight per section [kg]	1,026	1,085	1,144	1,204	1,263	1,322	1,381	1,441	1,559
Element Water content [lt]	0,707	0,749	0,790	0,832	0,873	0,915	0,956	0,998	1,081
Element surface [m²]	0,133	0,140	0,148	0,156	0,164	0,172	0,180	0,188	0,203
Exp. **n**	1,2507	1,2532	1,2556	1,2580	1,2604	1,2629	1,2653	1,2677	1,2702
Pipe Centres I [mm] (V3-V4 only)	1570	1670	1770	1870	1970	2070	2170	2270	2470



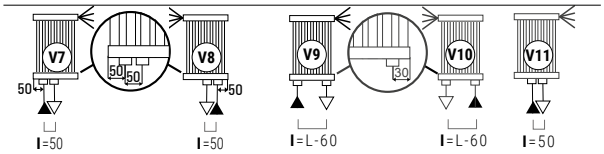
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ALICE 25 VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in mm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Alice 25 vertical	Numero elements E.g.: 24 elements	Height in mm Example: 800 mm	Varianti connection Example: connection V8	Article code of the colour Example: S16 - Canary	Constant value
	AL25	24	080	V08	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AL18 ALICE 25 VERTICAL
24 24 elements/ mm (see the table shown on the side)
080 Height 800 mm (see the table shown on the side)
V08 connection V08
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
AL25 24 080 V08 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square manual-White R01

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square pipe centres 50 mm manual-White R01

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ALICE 25 VERTICAL

All intermediate sizes are available for widths from 5 to 70 elements and heights from 400 to 2500 mm

Height H [mm]		400	500	600	700	800	1000	1200	1400	1500
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
176	5	115	139	161	184	206	250	294	336	357
213	6	138	166	193	220	247	299	353	403	428
250	7	161	194	225	257	288	349	412	470	500
287	8	184	222	258	294	330	399	470	537	571
324	9	207	249	290	330	371	449	529	604	643
361	10	230	277	322	367	412	499	588	671	714
398	11	253	305	354	404	453	549	647	738	785
435	12	276	332	386	440	494	599	706	805	857
472	13	299	360	419	477	536	649	764	872	928
509	14	322	388	451	514	577	699	823	939	1000
546	15	345	416	483	551	618	749	882	1007	1071
583	16	368	443	515	587	659	798	941	1074	1142
620	17	391	471	547	624	700	848	1000	1141	1214
657	18	414	499	580	661	742	898	1058	1208	1285
694	19	437	526	612	697	783	948	1117	1275	1357
731	20	460	554	644	734	824	998	1176	1342	1428
768	21	483	582	676	771	865	1048	1235	1409	1499
805	22	506	609	708	807	906	1098	1294	1476	1571
842	23	529	637	741	844	948	1148	1352	1543	1642
879	24	552	665	773	881	989	1198	1411	1610	1714
916	25	575	693	805	918	1030	1248	1470	1678	1785
953	26	598	720	837	954	1071	1297	1529	1745	1856
990	27	621	748	869	991	1112	1347	1588	1812	1928
1027	28	644	776	902	1028	1154	1397	1646	1879	1999
1064	29	667	803	934	1064	1195	1447	1705	1946	2071
1101	30	690	831	966	1101	1236	1497	1764	2013	2142
1138	31	713	859	998	1138	1277	1547	1823	2080	2213
1175	32	736	886	1030	1174	1318	1597	1882	2147	2285
1212	33	759	914	1063	1211	1360	1647	1940	2214	2356
1249	34	782	942	1095	1248	1401	1697	1999	2281	2428
1286	35	805	970	1127	1285	1442	1747	2058	2349	2499
1323	36	828	997	1159	1321	1483	1796	2117	2416	2570
1360	37	851	1025	1191	1358	1524	1846	2176	2483	2642
1397	38	874	1053	1224	1395	1566	1896	2234	2550	2713
1434	39	897	1080	1256	1431	1607	1946	2293	2617	2785
1471	40	920	1108	1288	1468	1648	1996	2352	2684	2856
1508	41	943	1136	1320	1505	1689	2046	2411	2751	2927
1545	42	966	1163	1352	1541	1730	2096	2470	2818	2999

Height H [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
176	5	379	400	422	444	465	487	509	531	575
213	6	454	480	506	532	558	584	611	637	690
250	7	530	560	591	621	651	682	713	743	805
287	8	606	640	675	710	744	779	814	849	920
324	9	681	720	760	798	837	877	916	955	1035
361	10	757	800	844	887	930	974	1018	1061	1150
398	11	833	880	928	976	1023	1071	1120	1167	1265
435	12	908	960	1013	1064	1116	1169	1222	1273	1380
472	13	984	1040	1097	1153	1209	1266	1323	1379	1495
509	14	1060	1120	1182	1242	1302	1364	1425	1485	1610
546	15	1136	1200	1266	1331	1395	1461	1527	1592	1725
583	16	1211	1280	1350	1419	1488	1558	1629	1698	1840
620	17	1287	1360	1435	1508	1581	1656	1731	1804	1955
657	18	1363	1440	1519	1597	1674	1753	1832	1910	2070
694	19	1438	1520	1604	1685	1767	1851	1934	2016	2185
731	20	1514	1600	1688	1774	1860	1948	2036	2122	2300
768	21	1590	1680	1772	1863	1953	2045	2138	2228	2415
805	22	1665	1760	1857	1951	2046	2143	2240	2334	2530
842	23	1741	1840	1941	2040	2139	2240	2341	2440	2645
879	24	1817	1920	2026	2129	2232	2338	2443	2546	2760
916	25	1893	2000	2110	2218	2325	2435	2545	2653	2875
953	26	1968	2080	2194	2306	2418	2532	2647	2759	2990
990	27	2044	2160	2279	2395	2511	2630	2749	2865	3105
1027	28	2120	2240	2363	2484	2604	2727	2850	2971	3220
1064	29	2195	2320	2448	2572	2697	2825	2952	3077	3335
1101	30	2271	2400	2532	2661	2790	2922	3054	3183	3450
1138	31	2347	2480	2616	2750	2883	3019	3156	3289	3565
1175	32	2422	2560	2701	2838	2976	3117	3258	3395	3680
1212	33	2498	2640	2785	2927	3069	3214	3359	3501	3795
1249	34	2574	2720	2870	3016	3162	3312	3461	3607	3910
1286	35	2650	2800	2954	3105	3255	3409	3563	3714	4025
1323	36	2725	2880	3038	3193	3348	3506	3665	3820	4140
1360	37	2801	2960	3123	3282	3441	3604	3767	3926	4255
1397	38	2877	3040	3207	3371	3534	3701	3868	4032	4370
1434	39	2952	3120	3292	3459	3627	3799	3970	4138	4485
1471	40	3028	3200	3376	3548	3720	3896	4072	4244	4600
1508	41	3104	3280	3460	3637	3813	3993	4174	4350	4715
1545	42	3179	3360	3545	3725	3906	4091	4276	4456	4830



ALICE 25 HORIZONTAL

page 212

EUROPEAN WARRANTY

NEW

MATERIAL:
• Vertical collectors in painted mild steel ø 30 mm.
• Horizontal heating elements in painted mild steel ø 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice. The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

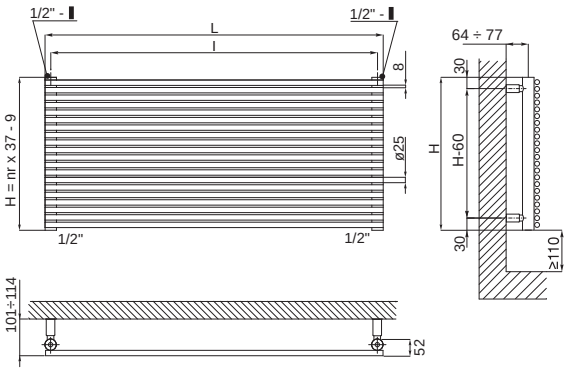
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas

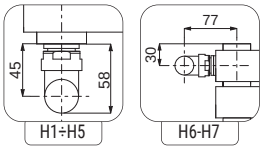
WIDTH L [mm]	400	500	600	700	800	1000	1200	1400	1500
Dry Weight per section [kg]	0,315	0,374	0,434	0,493	0,552	0,670	0,789	0,907	0,967
Element Water content [lt]	0,209	0,250	0,292	0,333	0,375	0,458	0,541	0,624	0,666
Element surface [m²]	0,038	0,046	0,054	0,062	0,070	0,086	0,101	0,117	0,125
Pipe Centres I [mm] (H1 only)	370	470	570	670	770	970	1170	1370	1470

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

WIDTH L [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Dry Weight per section [kg]	1,026	1,085	1,144	1,204	1,263	1,322	1,381	1,441	1,559
Element Water content [lt]	0,707	0,749	0,790	0,832	0,873	0,915	0,956	0,998	1,081
Element surface [m²]	0,133	0,140	0,148	0,156	0,164	0,172	0,180	0,188	0,203
Pipe Centres I [mm] (H1 only)	1570	1670	1770	1870	1970	2070	2170	2270	2470



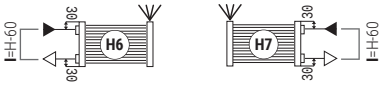
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋖ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ALICE 25 HORIZONTAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	WIDTH in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Alice 25 horizontal	Numero elements E.g.: 12 elements	WIDTH in cm Example: 1200 mm	Article code of the connection Example: connection H1	Article code of the colour Example: S16 - Canary	Constant value
	AL25	12	120	H01	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AL25 ALICE 25 HORIZONTAL
12 24 elements (see the table shown on the side)
120 WIDTH 1200 mm (see the table shown on the side)
H01 connection H1
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
AL25 12 120 H01 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve corner right
with thermostatic option
white R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311176

Multilayer conn. Ø 16
Art. nr. 5991990311175



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ALICE 25 HORIZONTAL

WIDTH L [mm]		400	500	600	700	800	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exp.
Height L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
176	5	107	133	160	187	213	267	320	373	400	145	1,1968
213	6	128	160	192	224	256	320	384	448	480	173	1,1993
250	7	149	186	224	261	298	373	447	522	559	202	1,2018
287	8	170	212	255	297	340	425	510	595	637	230	1,2043
324	9	190	238	286	333	381	476	571	667	714	257	1,2067
361	10	211	264	316	369	422	527	633	738	791	284	1,2092
398	11	231	289	347	404	462	578	693	809	867	311	1,2117
435	12	251	314	377	439	502	628	753	879	942	338	1,2141
472	13	271	339	406	474	542	677	813	948	1016	364	1,2166
509	14	290	363	436	508	581	726	871	1017	1089	390	1,2191
546	15	310	387	465	542	620	775	930	1085	1162	415	1,2216
583	16	329	411	494	576	658	823	987	1152	1234	440	1,2240
620	17	348	435	522	609	696	871	1045	1219	1306	465	1,2265
657	18	367	459	551	643	734	918	1101	1285	1377	490	1,2290
694	19	386	482	579	675	772	965	1158	1351	1447	515	1,2285
731	20	404	506	607	708	809	1011	1213	1416	1517	540	1,2280
768	21	423	529	634	740	846	1057	1269	1480	1586	565	1,2276
805	22	441	551	662	772	882	1103	1323	1544	1654	589	1,2271
842	23	459	574	689	804	918	1148	1378	1607	1722	614	1,2266
879	24	477	596	716	835	954	1193	1431	1670	1789	638	1,2262
916	25	495	619	742	866	990	1237	1485	1732	1856	662	1,2257
953	26	513	641	769	897	1025	1281	1538	1794	1922	685	1,2252
990	27	530	663	795	928	1060	1325	1590	1855	1988	709	1,2247
1027	28	547	684	821	958	1095	1368	1642	1915	2052	732	1,2243
1064	29	564	706	847	988	1129	1411	1693	1976	2117	755	1,2238
1101	30	581	727	872	1018	1163	1454	1744	2035	2181	778	1,2233
1138	31	598	748	898	1047	1197	1496	1795	2094	2244	801	1,2230
1175	32	615	769	923	1076	1230	1538	1845	2153	2307	823	1,2226
1212	33	632	790	948	1105	1263	1579	1895	2211	2369	846	1,2223
1249	34	648	810	972	1134	1296	1620	1944	2268	2430	868	1,2220
1286	35	664	831	997	1163	1329	1661	1993	2325	2492	890	1,2216
1323	36	681	851	1021	1191	1361	1702	2042	2382	2552	912	1,2213
1360	37	697	871	1045	1219	1393	1742	2090	2438	2612	933	1,2209
1397	38	713	891	1069	1247	1425	1781	2138	2494	2672	955	1,2206
1434	39	728	910	1092	1274	1456	1821	2185	2549	2731	976	1,2202
1471	40	744	930	1116	1302	1488	1860	2232	2604	2790	997	1,2199
1508	41	759	949	1139	1329	1519	1898	2278	2658	2848	1018	1,2196
1545	42	775	968	1162	1356	1549	1937	2324	2712	2905	1039	1,2192

WIDTH L [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500	OUTPUT PER LINEAR METER	Exp.
Height L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
176	5	427	453	480	507	533	560	587	613	667	145	1,1968
213	6	512	544	576	608	640	672	704	736	800	173	1,1993
250	7	597	634	671	709	746	783	820	858	932	202	1,2018
287	8	680	722	764	807	849	892	934	977	1062	230	1,2043
324	9	762	810	857	905	952	1000	1048	1095	1191	257	1,2067
361	10	844	896	949	1002	1054	1107	1160	1213	1318	284	1,2092
398	11	924	982	1040	1098	1155	1213	1271	1329	1444	311	1,2117
435	12	1004	1067	1130	1193	1255	1318	1381	1444	1569	338	1,2141
472	13	1084	1151	1219	1287	1354	1422	1490	1558	1693	364	1,2166
509	14	1162	1235	1307	1380	1452	1525	1598	1670	1816	390	1,2191
546	15	1240	1317	1395	1472	1550	1627	1705	1782	1937	415	1,2216
583	16	1317	1399	1481	1564	1646	1728	1810	1893	2057	440	1,2240
620	17	1393	1480	1567	1654	1741	1828	1915	2002	2177	465	1,2265
657	18	1469	1560	1652	1744	1836	1928	2019	2111	2295	490	1,2290
694	19	1544	1640	1736	1833	1929	2026	2122	2219	2412	515	1,2285
731	20	1618	1719	1820	1921	2022	2124	2225	2326	2528	540	1,2280
768	21	1692	1797	1903	2009	2114	2220	2326	2432	2643	565	1,2276
805	22	1764	1875	1985	2095	2206	2316	2426	2536	2757	589	1,2271
842	23	1837	1952	2066	2181	2296	2411	2526	2640	2870	614	1,2266
879	24	1908	2028	2147	2266	2386	2505	2624	2743	2982	638	1,2262
916	25	1980	2103	2227	2351	2474	2598	2722	2846	3093	662	1,2257
953	26	2050	2178	2306	2434	2563	2691	2819	2947	3203	685	1,2252
990	27	2120	2253	2385	2518	2650	2783	2915	3048	3313	709	1,2247
1027	28	2189	2326	2463	2600	2736	2873	3010	3147	3421	732	1,2243
1064	29	2258	2399	2540	2681	2822	2964	3105	3246	3528	755	1,2238
1101	30	2326	2471	2617	2762	2907	3053	3198	3344	3634	778	1,2233
1138	31	2393	2543	2693	2842	2992	3141	3291	3441	3740	801	1,2230
1175	32	2460	2614	2768	2922	3075	3229	3383	3537	3844	823	1,2226
1212	33	2527	2685	2843	3000	3158	3316	3474	3632	3948	846	1,2223
1249	34	2592	2755	2917	3079	3241	3403	3565	3727	4051	868	1,2220
1286	35	2658	2824	2990	3156	3322	3488	3654	3820	4153	890	1,2216
1323	36	2722	2893	3063	3233	3403	3573	3743	3913	4254	912	1,2213
1360	37	2786	2961	3135	3309	3483	3657	3831	4005	4354	933	1,2209
1397	38	2850	3028	3206	3384	3563	3741	3919	4097	4453	955	1,2206
1434	39	2913	3095	3277	3459	3641	3823	4005	4187	4552	976	1,2202
1471	40	2976	3161	3347	3533	3719	3905	4091	4277	4649	997	1,2199
1508	41	3037	3227	3417	3607	3797	3987	4176	4366	4746	1018	1,2196
1545	42	3099	3293	3486	3680	3874	4067	4261	4455	4842	1039	1,2192



ALICE 25 TANDEM VERTICAL

page 214

EUROPEAN WARRANTY

NEW

MATERIAL:
• Horizontal collectors in painted mild steel ø 30 mm.
• Double vertical heating elements in painted mild steel ø 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

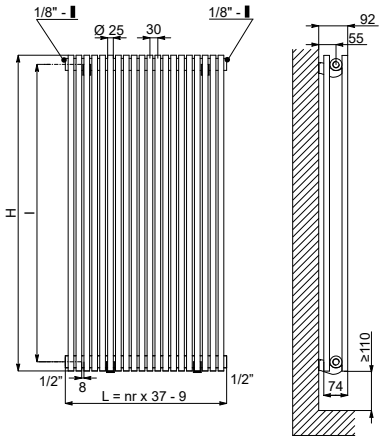
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

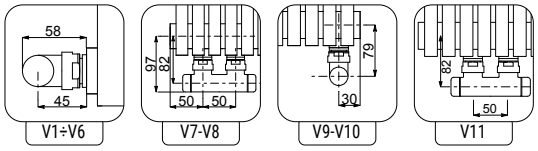
Height H [mm]	400	500	530	600	630	700	800	830	930	1000	1200
Therm. output per el. Δt = 50 °C [Watt]	34,7	42	44,1	49	51,1	55,9	62,7	64,7	71,4	76	89,2
Therm. output per el. Δt = 30 °C [Watt]	18,2	21,9	23	25,6	26,7	29,2	32,7	33,7	37,1	39,5	46,2
Dry Weight per section [kg]	0,537	0,656	0,691	0,774	0,810	0,892	1,011	1,047	1,165	1,248	1,485
Element Water content [lt]	0,377	0,460	0,485	0,543	0,568	0,626	0,709	0,734	0,817	0,875	1,041
Element surface [m²]	0,070	0,086	0,090	0,101	0,106	0,117	0,133	0,137	0,153	0,164	0,195
Exp. **n**	1,2668	1,2691	1,2698	1,2714	1,2721	1,2737	1,2760	1,2767	1,2790	1,2807	1,2878
Pipe Centres I [mm] (V3-V4 only)	370	470	500	570	600	670	770	800	900	970	1170

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

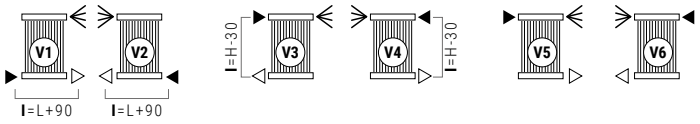
Height H [mm]	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	102,1	108,6	115	121,4	127,8	134,2	140,6	146,9	153,3	159,7	172,5
Therm. output per el. Δt = 30 °C [Watt]	52,7	55,9	59,1	62,4	65,6	68,8	72	75,2	78,4	82,5	88,7
Dry Weight per section [kg]	1,722	1,840	1,959	2,077	2,196	2,314	2,433	2,551	2,670	2,788	3,025
Element Water content [lt]	1,208	1,291	1,374	1,457	1,540	1,623	1,706	1,789	1,872	1,955	2,122
Element surface [m²]	0,227	0,243	0,258	0,274	0,290	0,305	0,321	0,337	0,353	0,368	0,400
Exp. **n**	1,2949	1,2984	1,3020	1,3036	1,3052	1,3069	1,3085	1,3102	1,3118	1,3134	1,3151
Pipe Centres I [mm] (V3-V4 only)	1370	1470	1570	1670	1770	1870	1970	2070	2170	2270	2470



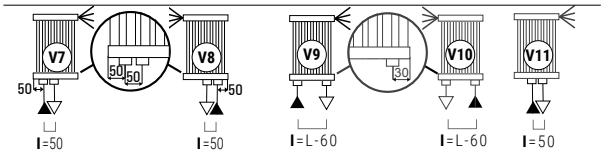
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ALICE 22 TANDEM VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Alice 25 tandem vertical	Numero elements E.g.: 24 elements	Height in cm Example: 800 mm	Article code of the connection Example: connection V2	Article code of the colour Example: S16 - Canary	Constant value
	AT25	24	080	V02	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AT22 ALICE 25 TANDEM VERTICAL
24 24 elements (see the table shown on the side)
080 Height 800 mm (see the table shown on the side)
V02 connection V2
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
AT25 24 080 V02 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
Pipe centres 50 mm left
white R01 - ral 90101

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ALICE 25 TANDEM VERTICAL

All intermediate sizes are available for widths from 5 to 70 elements and heights from 400 to 2500 mm

Height H [mm]		400	500	530	600	630	700	800	830	930	1000	1200
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
176	5	174	210	221	245	256	280	314	324	357	380	446
213	6	208	252	265	294	307	335	376	388	428	456	535
250	7	243	294	309	343	358	391	439	453	500	532	624
287	8	278	336	353	392	409	447	502	518	571	608	714
324	9	312	378	397	441	460	503	564	582	643	684	803
361	10	347	420	441	490	511	559	627	647	714	760	892
398	11	382	462	485	539	562	615	690	712	785	836	981
435	12	416	504	529	588	613	671	752	776	857	912	1070
472	13	451	546	573	637	664	727	815	841	928	988	1160
509	14	486	588	617	686	715	783	878	906	1000	1064	1249
546	15	521	630	662	735	767	839	941	971	1071	1140	1338
583	16	555	672	706	784	818	894	1003	1035	1142	1216	1427
620	17	590	714	750	833	869	950	1066	1100	1214	1292	1516
657	18	625	756	794	882	920	1006	1129	1165	1285	1368	1606
694	19	659	798	838	931	971	1062	1191	1229	1357	1444	1695
731	20	694	840	882	980	1022	1118	1254	1294	1428	1520	1784
768	21	729	882	926	1029	1073	1174	1317	1359	1499	1596	1873
805	22	763	924	970	1078	1124	1230	1379	1423	1571	1672	1962
842	23	798	966	1014	1127	1175	1286	1442	1488	1642	1748	2052
879	24	833	1008	1058	1176	1226	1342	1505	1553	1714	1824	2141
916	25	868	1050	1103	1225	1278	1398	1568	1618	1785	1900	2230
953	26	902	1092	1147	1274	1329	1453	1630	1682	1856	1976	2319
990	27	937	1134	1191	1323	1380	1509	1693	1747	1928	2052	2408
1027	28	972	1176	1235	1372	1431	1565	1756	1812	1999	2128	2498
1064	29	1006	1218	1279	1421	1482	1621	1818	1876	2071	2204	2587
1101	30	1041	1260	1323	1470	1533	1677	1881	1941	2142	2280	2676
1138	31	1076	1302	1367	1519	1584	1733	1944	2006	2213	2356	2765
1175	32	1110	1344	1411	1568	1635	1789	2006	2070	2285	2432	2854
1212	33	1145	1386	1455	1617	1686	1845	2069	2135	2356	2508	2944
1249	34	1180	1428	1499	1666	1737	1901	2132	2200	2428	2584	3033
1286	35	1215	1470	1544	1715	1789	1957	2195	2265	2499	2660	3122
1323	36	1249	1512	1588	1764	1840	2012	2257	2329	2570	2736	3211
1360	37	1284	1554	1632	1813	1891	2068	2320	2394	2642	2812	3300
1397	38	1319	1596	1676	1862	1942	2124	2383	2459	2713	2888	3390
1434	39	1353	1638	1720	1911	1993	2180	2445	2523	2785	2964	3479
1471	40	1388	1680	1764	1960	2044	2236	2508	2588	2856	3040	3568
1508	41	1423	1722	1808	2009	2095	2292	2571	2653	2927	3116	3657
1545	42	1457	1764	1852	2058	2146	2348	2633	2717	2999	3192	3746

Height H [mm]		1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2500
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
176	5	511	543	575	607	639	671	703	735	767	799	863
213	6	613	652	690	728	767	805	844	881	920	958	1035
250	7	715	760	805	850	895	939	984	1028	1073	1118	1208
287	8	817	869	920	971	1022	1074	1125	1175	1226	1278	1380
324	9	919	977	1035	1093	1150	1208	1265	1322	1380	1437	1553
361	10	1021	1086	1150	1214	1278	1342	1406	1469	1533	1597	1725
398	11	1123	1195	1265	1335	1406	1476	1547	1616	1686	1757	1898
435	12	1225	1303	1380	1457	1534	1610	1687	1763	1840	1916	2070
472	13	1327	1412	1495	1578	1661	1745	1828	1910	1993	2076	2243
509	14	1429	1520	1610	1700	1789	1879	1968	2057	2146	2236	2415
546	15	1532	1629	1725	1821	1917	2013	2109	2204	2300	2396	2588
583	16	1634	1738	1840	1942	2045	2147	2250	2350	2453	2555	2760
620	17	1736	1846	1955	2064	2173	2281	2390	2497	2606	2715	2933
657	18	1838	1955	2070	2185	2300	2416	2531	2644	2759	2875	3105
694	19	1940	2063	2185	2307	2428	2550	2671	2791	2913	3034	3278
731	20	2042	2172	2300	2428	2556	2684	2812	2938	3066	3194	3450
768	21	2144	2281	2415	2549	2684	2818	2953	3085	3219	3354	3623
805	22	2246	2389	2530	2671	2812	2952	3093	3232	3373	3513	3795
842	23	2348	2498	2645	2792	2939	3087	3234	3379	3526	3673	3968
879	24	2450	2606	2760	2914	3067	3221	3374	3526	3679	3833	4140
916	25	2553	2715	2875	3035	3195	3355	3515	3673	3833	3993	4313
953	26	2655	2824	2990	3156	3323	3489	3656	3819	3986	4152	4485
990	27	2757	2932	3105	3278	3451	3623	3796	3966	4139	4312	4658
1027	28	2859	3041	3220	3399	3578	3758	3937	4113	4292	4472	4830
1064	29	2961	3149	3335	3521	3706	3892	4077	4260	4446	4631	5003
1101	30	3063	3258	3450	3642	3834	4026	4218	4407	4599	4791	5175
1138	31	3165	3367	3565	3763	3962	4160	4359	4554	4752	4951	5348
1175	32	3267	3475	3680	3885	4090	4294	4499	4701	4906	5110	5520
1212	33	3369	3584	3795	4006	4217	4429	4640	4848	5059	5270	5693
1249	34	3471	3692	3910	4128	4345	4563	4780	4995	5212	5430	5865
1286	35	3574	3801	4025	4249	4473	4697	4921	5142	5366	5590	6038
1323	36	3676	3910	4140	4370	4601	4831	5062	5288	5519	5749	6210
1360	37	3778	4018	4255	4492	4729	4965	5202	5435	5672	5909	6383
1397	38	3880	4127	4370	4613	4856	5100	5343	5582	5825	6069	6555
1434	39	3982	4235	4485	4735	4984	5234	5483	5729	5979	6228	6728
1471	40	4084	4344	4600	4856	5112	5368	5624	5876	6132	6388	6900
1508	41	4186	4453	4715	4977	5240	5502	5765	6023	6285	6548	7073
1545	42	4288	4561	4830	5099	5368	5636	5905	6170	6439	6707	7245



ALICE 25 TANDEM HORIZONTAL

page 218

EUROPEAN WARRANTY

NEW

MATERIAL:
• Horizontal collectors in painted mild steel ø 30 mm.
• Double horizontal heating elements in painted mild steel ø 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice. The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

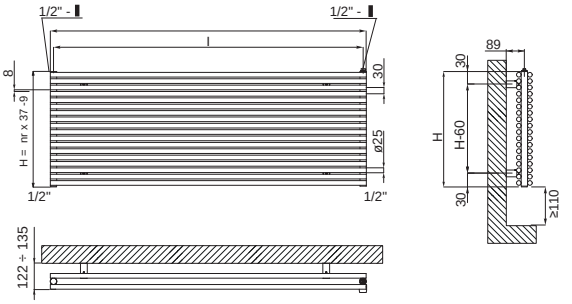
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas

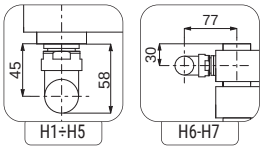
WIDTH L [mm]	400	500	600	700	800	1000	1200	1400	1500
Dry Weight per section [kg]	0,537	0,656	0,774	0,892	1,011	1,248	1,485	1,722	1,840
Element Water content [lt]	0,377	0,460	0,543	0,626	0,709	0,875	1,041	1,208	1,291
Element surface [m2]	0,070	0,086	0,101	0,117	0,133	0,164	0,195	0,227	0,243
Pipe Centres I [mm] (H1 only)	370	470	570	670	770	970	1170	1370	1470

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

WIDTH L [mm]	1600	1700	1800	1900	2000	2100	2200	2300	2500
Dry Weight per section [kg]	1,959	2,077	2,196	2,314	2,433	2,551	2,670	2,788	3,025
Element Water content [lt]	1,374	1,457	1,540	1,623	1,706	1,789	1,872	1,955	2,122
Element surface [m2]	0,258	0,274	0,290	0,305	0,321	0,337	0,353	0,368	0,400
Pipe Centres I [mm] (H1 only)	1570	1670	1770	1870	1970	2070	2170	2270	2470



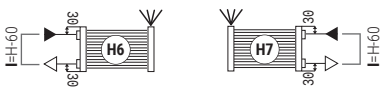
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋖ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ALICE 25 TANDEM HORIZONTAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	WIDTH in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Alice 25 tandem horizontal	Numero elements E.g.: 12 elements	WIDTH in cm Example: 1200 mm	Article code of the connection Example: connection H4	Article code of the colour Example: S16 - Canary	Constant value
	AT25	12	120	H04	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AT25 ALICE 25 TANDEM HORIZONTAL
12 12 elements (see the table shown on the side)
120 WIDTH 1200 mm (see the table shown on the side)
H04 connection H4
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
AT25 12 120 H04 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve corner right
with thermostatic option
white R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311176

Multilayer conn. Ø 16
Art. nr. 5991990311175



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ALICE 25 TANDEM HORIZONTAL

WIDTH L [mm]		400	500	600	700	800	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exp.
Height L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
176	5	176	220	263	307	351	439	527	615	659	238	1,2025
213	6	210	262	315	367	420	525	629	734	787	283	1,2063
250	7	243	304	365	425	486	608	729	851	911	327	1,2101
287	8	275	344	413	482	551	688	826	964	1032	370	1,2138
324	9	307	383	460	537	614	767	920	1074	1150	412	1,2176
361	10	337	422	506	590	675	843	1012	1181	1265	452	1,2214
398	11	367	459	551	642	734	918	1101	1285	1377	491	1,2252
435	12	396	495	594	693	792	990	1188	1386	1485	528	1,2290
472	13	424	530	636	742	848	1060	1272	1484	1590	565	1,2328
509	14	451	564	677	790	903	1129	1354	1580	1693	600	1,2366
546	15	478	597	717	836	956	1195	1434	1673	1792	634	1,2403
583	16	504	630	756	881	1007	1259	1511	1763	1889	667	1,2441
620	17	529	661	793	925	1057	1322	1586	1850	1983	699	1,2479
657	18	553	691	829	968	1106	1382	1659	1935	2074	729	1,2517
694	19	577	721	865	1009	1153	1441	1730	2018	2162	761	1,2514
731	20	599	749	899	1049	1199	1498	1798	2098	2248	791	1,2511
768	21	622	777	932	1088	1243	1554	1865	2175	2331	820	1,2508
805	22	643	804	965	1125	1286	1608	1929	2251	2411	849	1,2504
842	23	664	830	996	1162	1328	1660	1992	2324	2490	876	1,2501
879	24	684	855	1026	1197	1368	1710	2052	2394	2565	903	1,2498
916	25	704	880	1055	1231	1407	1759	2111	2463	2639	929	1,2495
953	26	723	903	1084	1264	1445	1806	2168	2529	2710	954	1,2492
990	27	741	926	1111	1297	1482	1852	2223	2593	2778	979	1,2489
1027	28	759	948	1138	1328	1517	1897	2276	2655	2845	1002	1,2485
1064	29	776	970	1164	1358	1552	1939	2327	2715	2909	1025	1,2482
1101	30	792	990	1188	1387	1585	1981	2377	2773	2971	1047	1,2479
1138	31	808	1010	1212	1415	1617	2021	2425	2829	3031	1069	1,2467
1175	32	824	1030	1236	1442	1648	2060	2471	2883	3089	1090	1,2455
1212	33	839	1048	1258	1468	1678	2097	2516	2936	3145	1111	1,2443
1249	34	853	1066	1280	1493	1706	2133	2559	2986	3199	1130	1,2431
1286	35	867	1084	1301	1518	1734	2168	2601	3035	3252	1149	1,2419
1323	36	880	1101	1321	1541	1761	2201	2641	3082	3302	1168	1,2407
1360	37	893	1117	1340	1563	1787	2233	2680	3127	3350	1186	1,2395
1397	38	906	1132	1359	1585	1812	2264	2717	3170	3397	1203	1,2383
1434	39	918	1147	1377	1606	1835	2294	2753	3212	3441	1220	1,2371
1471	40	929	1162	1394	1626	1858	2323	2788	3252	3485	1236	1,2359
1508	41	940	1175	1410	1645	1880	2351	2821	3291	3526	1251	1,2347
1545	42	951	1189	1426	1664	1902	2377	2853	3328	3566	1266	1,2335

WIDTH L [mm]		1600	1700	1800	1900	2000	2100	2200	2300	2500	OUTPUT PER LINEAR METER	Exp.
Height L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	n
176	5	703	746	790	834	878	922	966	1010	1098	238	1,2025
213	6	839	892	944	997	1049	1101	1154	1206	1311	283	1,2063
250	7	972	1033	1094	1154	1215	1276	1337	1397	1519	327	1,2101
287	8	1101	1170	1239	1308	1377	1445	1514	1583	1721	370	1,2138
324	9	1227	1304	1380	1457	1534	1610	1687	1764	1917	412	1,2176
361	10	1349	1434	1518	1602	1687	1771	1855	1940	2109	452	1,2214
398	11	1468	1560	1652	1744	1835	1927	2019	2111	2294	491	1,2252
435	12	1584	1683	1782	1881	1980	2079	2178	2277	2475	528	1,2290
472	13	1696	1802	1908	2014	2120	2226	2332	2438	2651	565	1,2328
509	14	1806	1918	2031	2144	2257	2370	2483	2596	2821	600	1,2366
546	15	1912	2031	2151	2270	2390	2509	2629	2748	2987	634	1,2403
583	16	2015	2141	2267	2392	2518	2644	2770	2896	3148	667	1,2441
620	17	2115	2247	2379	2511	2643	2776	2908	3040	3304	699	1,2479
657	18	2212	2350	2488	2627	2765	2903	3041	3180	3456	729	1,2517
694	19	2306	2450	2594	2738	2883	3027	3171	3315	3603	761	1,2514
731	20	2397	2547	2697	2847	2997	3147	3296	3446	3746	791	1,2511
768	21	2486	2642	2797	2952	3108	3263	3419	3574	3885	820	1,2508
805	22	2572	2733	2894	3054	3215	3376	3537	3697	4019	849	1,2504
842	23	2656	2821	2987	3153	3319	3485	3651	3817	4149	876	1,2501
879	24	2736	2907	3078	3249	3420	3591	3762	3933	4276	903	1,2498
916	25	2814	2990	3166	3342	3518	3694	3870	4046	4398	929	1,2495
953	26	2890	3071	3252	3432	3613	3793	3974	4155	4516	954	1,2492
990	27	2964	3149	3334	3519	3704	3890	4075	4260	4631	979	1,2489
1027	28	3034	3224	3414	3603	3793	3983	4172	4362	4741	1002	1,2485
1064	29	3103	3297	3491	3685	3879	4073	4267	4461	4849	1025	1,2482
1101	30	3169	3367	3565	3764	3962	4160	4358	4556	4952	1047	1,2479
1138	31	3233	3435	3637	3840	4042	4244	4446	4648	5052	1069	1,2467
1175	32	3295	3501	3707	3913	4119	4325	4531	4737	5149	1090	1,2455
1212	33	3355	3565	3774	3984	4194	4403	4613	4823	5242	1111	1,2443
1249	34	3413	3626	3839	4053	4266	4479	4692	4906	5332	1130	1,2431
1286	35	3469	3685	3902	4119	4336	4553	4769	4986	5420	1149	1,2419
1323	36	3522	3742	3962	4182	4402	4622	4842	5063	5503	1168	1,2407
1360	37	3573	3797	4020	4243	4467	4690	4913	5137	5584	1186	1,2395
1397	38	3623	3849	4076	4302	4529	4755	4982	5208	5661	1203	1,2383
1434	39	3671	3900	4130	4359	4589	4818	5047	5277	5736	1220	1,2371
1471	40	3717	3949	4181	4414	4646	4878	5111	5343	5808	1236	1,2359
1508	41	3761	3996	4231	4466	4701	4936	5171	5406	5877	1251	1,2347
1545	42	3803	4041	4279	4516	4754	4992	5230	5467	5943	1266	1,2335



ARIANNA

page 220

EUROPEAN WARRANTY

MATERIAL:
• Horizontal collectors in painted mild steel ø 30 mm.
• Double vertical heating elements in painted mild steel ø 38 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

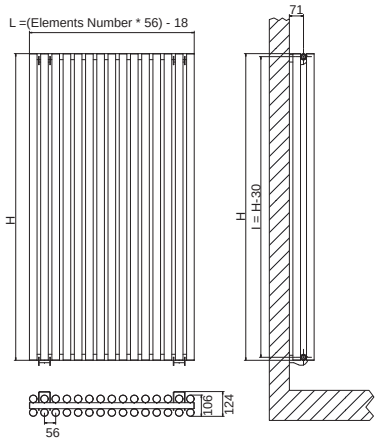
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

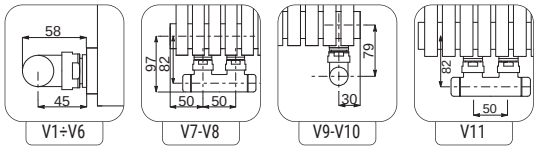
Height H [mm]	330	380	430	474	530	574	630	724	780
Therm. output per el. Δt = 50 °C [Watt]	44,5	50,1	55,5	60,2	66,1	70,7	76,4	86	91,7
Therm. output per el. Δt = 30 °C [Watt]	23,5	26,3	29,2	31,6	34,6	37	40	44,9	47,8
Dry Weight per section [kg]	0,838	0,947	1,056	1,129	1,274	1,347	1,492	1,674	1,819
Element Water content [lt]	0,721	0,821	0,92	1,011	1,119	1,21	1,318	1,508	1,617
Element surface [m²]	0,089	1,01	0,113	0,124	0,137	0,148	0,161	0,183	0,197
Exp. **n**	1,2541	1,2565	1,2589	1,2611	1,2638	1,2660	1,2686	1,2731	1,2758
Pipe Centres I [mm] (V3-V4 only)	300	350	400	444	500	544	600	694	750

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

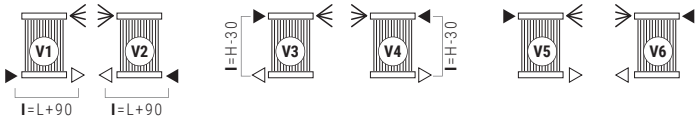
Height H [mm]	830	874	930	1030	1774	1830	1974	2030
Therm. output per el. Δt = 50 °C [Watt]	96,7	101,1	106,7	116,6	190	195,5	209,9	215,5
Therm. output per el. Δt = 30 °C [Watt]	50,3	52,6	55,5	60,7	98,7	101,6	109,1	112,1
Dry Weight per section [kg]	1,928	2,001	2,146	2,364	3,963	4,108	4,399	4,544
Element Water content [lt]	1,716	1,807	1,916	2,115	3,599	3,707	3,997	4,105
Element surface [m²]	0,209	0,219	0,233	0,256	0,434	0,447	0,482	0,495
Exp. **n**	1,2782	1,2785	1,2787	1,2792	1,2828	1,2822	1,2804	1,2797
Pipe Centres I [mm] (V3-V4 only)	800	844	900	1000	1744	1800	1944	2000



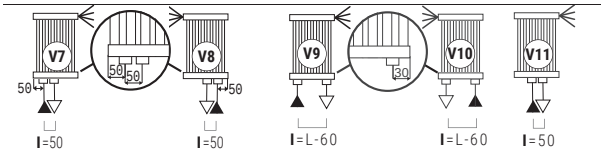
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ARIANNA**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Arianna	Numero elements E.g.: 16 elements	Height in cm Example: 1830 mm	Article code of the connection Example: connection V2	Article code of the colour Example: S16 - Canary	Constant value
	AT38	16	183	V02	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AT38 ARIANNA
16 16 elements (see the table shown on the side)
183 Height 1830 mm (see the table shown on the side)
V02 connection V2
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
AT38 16 183 V02 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
Pipe centres 50 mm left
white R01 - ral 90101

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ARIANNA

All intermediate sizes are available for heights from 330 to 2030 mm

Height H [mm]		330	380	430	474	530	574	630	724	780
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
318	6	267	301	333	361	397	424	458	516	550
374	7	312	351	389	421	463	495	535	602	642
430	8	356	401	444	482	529	566	611	688	734
486	9	401	451	500	542	595	636	688	774	825
542	10	445	501	555	602	661	707	764	860	917
598	11	490	551	611	662	727	778	840	946	1009
654	12	534	601	666	722	793	848	917	1032	1100
710	13	579	651	722	783	859	919	993	1118	1192
766	14	623	701	777	843	925	990	1070	1204	1284
822	15	668	752	833	903	992	1061	1146	1290	1376
878	16	712	802	888	963	1058	1131	1222	1376	1467
934	17	757	852	944	1023	1124	1202	1299	1462	1559
990	18	801	902	999	1084	1190	1273	1375	1548	1651
1046	19	846	952	1055	1144	1256	1343	1452	1634	1742
1102	20	890	1002	1110	1204	1322	1414	1528	1720	1834
1158	21	935	1052	1166	1264	1388	1485	1604	1806	1926
1214	22	979	1102	1221	1324	1454	1555	1681	1892	2017
1270	23	1024	1152	1277	1385	1520	1626	1757	1978	2109
1326	24	1068	1202	1332	1445	1586	1697	1834	2064	2201
1382	25	1113	1253	1388	1505	1653	1768	1910	2150	2293
1438	26	1157	1303	1443	1565	1719	1838	1986	2236	2384
1494	27	1202	1353	1499	1625	1785	1909	2063	2322	2476
1550	28	1246	1403	1554	1686	1851	1980	2139	2408	2568
1606	29	1291	1453	1610	1746	1917	2050	2216	2494	2659
1662	30	1335	1503	1665	1806	1983	2121	2292	2580	2751



Replacement heights are marked in grey colour

Height H [mm]		830	874	930	1030	1774	1830	1974	2030
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
318	6	580	607	640	700	1140	1173	1259	1293
374	7	677	708	747	816	1330	1369	1469	1509
430	8	774	809	854	933	1520	1564	1679	1724
486	9	870	910	960	1049	1710	1760	1889	1940
542	10	967	1011	1067	1166	1900	1955	2099	2155
598	11	1064	1112	1174	1283	2090	2151	2309	2371
654	12	1160	1213	1280	1399	2280	2346	2519	2586
710	13	1257	1314	1387	1516	2470	2542	2729	2802
766	14	1354	1415	1494	1632	2660	2737	2939	3017
822	15	1451	1517	1601	1749	2850	2933	3149	3233
878	16	1547	1618	1707	1866				
934	17	1644	1719	1814	1982				
990	18	1741	1820	1921	2099				
1046	19	1837	1921	2027	2215				
1102	20	1934	2022	2134	2332				
1158	21	2031	2123	2241	2449				
1214	22	2127	2224	2347	2565				
1270	23	2224	2325	2454	2682				
1326	24	2321	2426	2561	2798				
1382	25	2418	2528	2668	2915				
1438	26	2514	2629	2774	3032				
1494	27	2611	2730	2881	3148				
1550	28	2708	2831	2988	3265				
1606	29	2804	2932	3094	3381				
1662	30	2901	3033	3201	3498				



DORIANA VERTICAL

page 226

EUROPEAN WARRANTY

MATERIAL:
• Horizontal collectors in painted mild steel, semiovali 30x40 mm.
• Vertical heating elements in painted mild steel ø 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice. The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

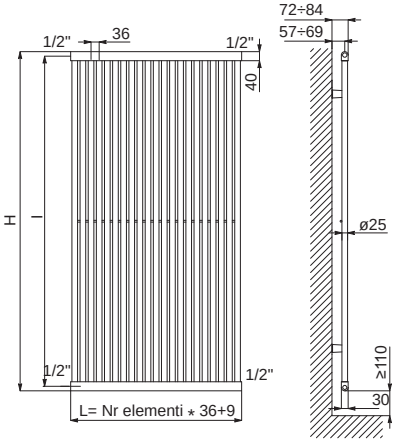
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

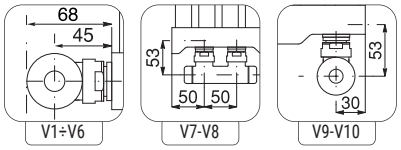
Height H [mm]	500	600	700	800	900	1000	1200	1400	1500
Therm. output per el. Δt = 50 °C [Watt]	23,7	27,9	32,1	36,2	40,3	44,3	52,4	60,4	64,5
Therm. output per el. Δt = 30 °C [Watt]	12,3	14,5	16,7	18,8	20,9	23,0	27,2	31,3	33,4
Dry Weight per section [kg]	0,352	0,411	0,470	0,529	0,588	0,647	0,765	0,883	0,942
Element Water content [lt]	0,241	0,282	0,323	0,364	0,405	0,446	0,528	0,610	0,651
Element surface [m²]	0,042	0,050	0,058	0,066	0,074	0,082	0,098	0,114	0,122
Exp. **n**	1,2791	1,2801	1,2810	1,2820	1,2830	1,2839	1,2859	1,2878	1,2888
Pipe Centres I [mm] (V3-V4 only)	450	550	650	750	850	950	1150	1350	1450

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

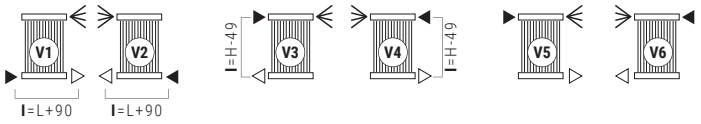
Height H [mm]	1600	1800	2000	2200	2300	2500
Therm. output per el. Δt = 50 °C [Watt]	68,5	76,5	84,5	92,6	96,6	105
Therm. output per el. Δt = 30 °C [Watt]	35,4	39,5	43,6	47,8	49,8	54,1
Dry Weight per section [kg]	1,001	1,119	1,237	1,355	1,414	1,532
Element Water content [lt]	0,692	0,774	0,856	0,938	0,979	1,061
Element surface [m²]	0,130	0,146	0,162	0,178	0,186	0,202
Exp. **n**	1,2897	1,2917	1,2936	1,2955	1,2965	1,2984
Pipe Centres I [mm] (V3-V4 only)	1550	1750	1950	2150	2250	2450



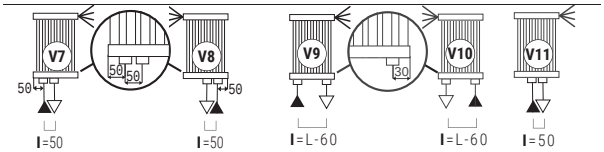
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **DORIANA VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Doriana vertical	Numero elements E.g.: 15 elements	Height in cm Example: 1800 mm	Article code of the connection Example: connection V1	Article code of the colour Example: S16 - Canary	Constant value
	DO25	15	180	V01	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
DO25 DORIANA VERTICAL
15 15 elements (see the table shown on the side)
180 Height 1800 mm (see the table shown on the side)
V01 connection V1
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
DO25 15 180 V01 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
Pipe centres 50 mm left
white R01 - ral 90101

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

DORIANA VERTICAL

All intermediate sizes are available for widths from 5 to 38 elements and heights from 500 to 2500 mm

Height H [mm]		500	600	700	800	900	1000	1200	1400	1500
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
189	5	119	140	161	181	202	222	262	302	323
225	6	142	167	193	217	242	266	314	362	387
261	7	166	195	225	253	282	310	367	423	452
297	8	190	223	257	290	322	354	419	483	516
333	9	213	251	289	326	363	399	472	544	581
369	10	237	279	321	362	403	443	524	604	645
405	11	261	307	353	398	443	487	576	664	710
441	12	284	335	385	434	484	532	629	725	774
477	13	308	363	417	471	524	576	681	785	839
513	14	332	391	449	507	564	620	734	846	903
549	15	356	419	482	543	605	665	786	906	968
585	16	379	446	514	579	645	709	838	966	1032
621	17	403	474	546	615	685	753	891	1027	1097
657	18	427	502	578	652	725	797	943	1087	1161
693	19	450	530	610	688	766	842	996	1148	1226
729	20	474	558	642	724	806	886	1048	1208	1290
765	21	498	586	674	760	846	930	1100	1268	1355
801	22	521	614	706	796	887	975	1153	1329	1419
837	23	545	642	738	833	927	1019	1205	1389	1484
873	24	569	670	770	869	967	1063	1258	1450	1548
909	25	593	698	803	905	1008	1108	1310	1510	1613
945	26	616	725	835	941	1048	1152	1362	1570	1677
981	27	640	753	867	977	1088	1196	1415	1631	1742
1017	28	664	781	899	1014	1128	1240	1467	1691	1806
1053	29	687	809	931	1050	1169	1285	1520	1752	1871
1089	30	711	837	963	1086	1209	1329	1572	1812	1935
1125	31	735	865	995	1122	1249	1373	1624	1872	2000
1161	32	758	893	1027	1158	1290	1418	1677	1933	2064
1197	33	782	921	1059	1195	1330	1462	1729	1993	2129
1233	34	806	949	1091	1231	1370	1506	1782	2054	2193
1269	35	830	977	1124	1267	1411	1551	1834	2114	2258
1305	36	853	1004	1156	1303	1451	1595	1886	2174	2322
1341	37	877	1032	1188	1339	1491	1639	1939	2235	2387
1377	38	901	1060	1220	1376	1531	1683	1991	2295	2451

Height H [mm]		1600	1800	2000	2200	2300	2500
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
189	5	343	383	423	463	483	525
225	6	411	459	507	556	580	630
261	7	480	536	592	648	676	735
297	8	548	612	676	741	773	840
333	9	617	689	761	833	869	945
369	10	685	765	845	926	966	1050
405	11	754	842	930	1019	1063	1155
441	12	822	918	1014	1111	1159	1260
477	13	891	995	1099	1204	1256	1365
513	14	959	1071	1183	1296	1352	1470
549	15	1028	1148	1268	1389	1449	1575
585	16	1096	1224	1352	1482	1546	1680
621	17	1165	1301	1437	1574	1642	1785
657	18	1233	1377	1521	1667	1739	1890
693	19	1302	1454	1606	1759	1835	1995
729	20	1370	1530	1690	1852	1932	2100
765	21	1439	1607	1775	1945	2029	2205
801	22	1507	1683	1859	2037	2125	2310
837	23	1576	1760	1944	2130	2222	2415
873	24	1644	1836	2028	2222	2318	2520
909	25	1713	1913	2113	2315	2415	2625
945	26	1781	1989	2197	2408	2512	2730
981	27	1850	2066	2282	2500	2608	2835
1017	28	1918	2142	2366	2593	2705	2940
1053	29	1987	2219	2451	2685	2801	3045
1089	30	2055	2295	2535	2778	2898	3150
1125	31	2124	2372	2620	2871	2995	3255
1161	32	2192	2448	2704	2963	3091	3360
1197	33	2261	2525	2789	3056	3188	3465
1233	34	2329	2601	2873	3148	3284	3570
1269	35	2398	2678	2958	3241	3381	3675
1305	36	2466	2754	3042	3334	3478	3780
1341	37	2535	2831	3127	3426	3574	3885
1377	38	2603	2907	3211	3519	3671	3990



DORIANA HORIZONTAL

page 228

EUROPEAN WARRANTY

MATERIAL:
- Vertical collectors in painted mild steel, semiovali 30x40 mm.
- Horizontal heating elements in painted mild steel ø 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice. The kit is certified from TÜV in compliance with VDI 6036-class 4. hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

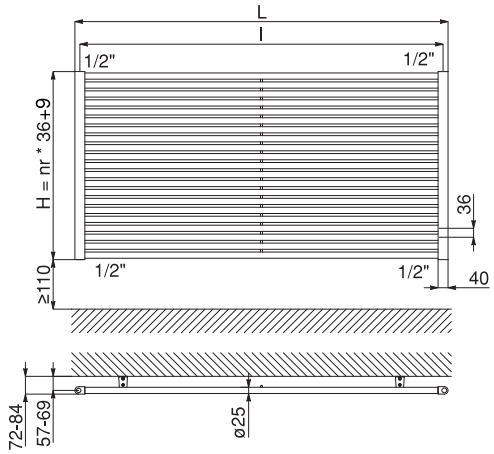
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

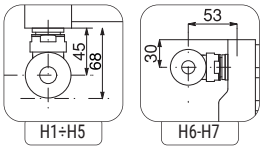
WIDTH L [mm]	500	600	700	800	900	1000	1200	1400	1500
Dry Weight per section [kg]	0,352	0,411	0,470	0,529	0,588	0,647	0,765	0,883	0,942
Element Water content [lt]	0,241	0,282	0,323	0,364	0,405	0,446	0,528	0,610	0,651
Element surface [m2]	0,042	0,050	0,058	0,066	0,074	0,082	0,098	0,114	0,122
Pipe Centres I [mm] (H1 only)	450	550	650	750	850	950	1150	1350	1450

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

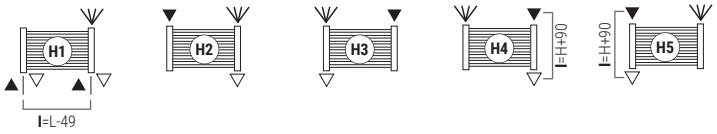
WIDTH L [mm]	1600	1800	2000	2200	2300	2500
Dry Weight per section [kg]	1,001	1,119	1,237	1,355	1,414	1,532
Element Water content [lt]	0,692	0,774	0,856	0,938	0,979	1,061
Element surface [m2]	0,130	0,146	0,162	0,178	0,186	0,202
Pipe Centres I [mm] (H1 only)	1550	1750	1950	2150	2250	2450



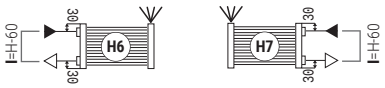
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **DORIANA HORIZONTAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	WIDTH in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Doriana horizontal	Numero elements E.g.: 18 elements	WIDTH in cm Example: 1200 mm	Article code of the connection Example: connection H4	Article code of the colour Example: S16 - Canary	Constant value
	DO25	18	120	H04	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
DO25 DORIANA HORIZONTAL
18 18 elements (see the table shown on the side)
120 WIDTH 1200 mm (see the table shown on the side)
H04 connection H4
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
DO25 18 120 H04 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve corner right
with thermostatic option
white R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311176

Multilayer conn. Ø 16
Art. nr. 5991990311175



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

DORIANA HORIZONTAL

All intermediate sizes are available for widths from 5 to 38 elements and heights from 500 to 2500 mm

WIDTH L [mm]		500	600	700	800	900	1000	1200	1400	1500	OUTPUT PER LINEAR METER	Exp. n
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	
189	5	103	124	144	165	185	206	247	288	309	111	1,2082
225	6	124	149	174	198	223	248	298	347	372	134	1,2074
261	7	145	173	202	231	260	289	347	405	434	156	1,2066
297	8	166	199	232	265	298	331	397	463	497	179	1,2058
333	9	186	223	260	298	335	372	446	521	558	201	1,2050
369	10	207	248	290	331	373	414	497	580	621	224	1,2042
405	11	228	273	319	364	410	455	546	637	683	246	1,2034
441	12	248	298	347	397	446	496	595	694	744	268	1,2026
477	13	269	322	376	430	483	537	644	752	806	291	1,2018
513	14	289	346	404	462	519	577	692	808	866	312	1,2010
549	15	309	371	433	494	556	618	742	865	927	335	1,2001
585	16	329	395	461	526	592	658	790	921	987	357	1,1993
621	17	349	419	489	558	628	698	838	977	1047	378	1,1985
657	18	369	443	517	590	664	738	886	1033	1107	400	1,1977
693	19	389	467	545	622	700	778	934	1089	1167	422	1,1969
729	20	409	491	573	654	736	818	982	1145	1227	444	1,1961
765	21	429	514	600	686	771	857	1028	1200	1286	465	1,1953
801	22	448	538	627	717	806	896	1075	1254	1344	487	1,1945
837	23	468	561	655	748	842	935	1122	1309	1403	508	1,1937
873	24	487	584	682	779	877	974	1169	1364	1461	530	1,1920
909	25	506	607	708	810	911	1012	1214	1417	1518	550	1,1921
945	26	526	631	736	841	946	1051	1261	1471	1577	572	1,2074
981	27	545	653	762	871	980	1089	1307	1525	1634	593	1,1905
1017	28	564	676	789	902	1014	1127	1352	1578	1691	614	1,1897
1053	29	583	699	816	932	1049	1165	1398	1631	1748	635	1,1889
1089	30	601	721	841	962	1082	1202	1442	1683	1803	655	1,1881
1125	31	620	743	867	991	1115	1239	1487	1735	1859	676	1,1873
1161	32	638	766	893	1021	1148	1276	1531	1786	1914	696	1,1865
1197	33	657	788	919	1050	1182	1313	1576	1838	1970	717	1,1857
1233	34	675	810	945	1080	1215	1350	1620	1890	2025	737	1,1849
1269	35	694	832	971	1110	1248	1387	1664	1942	2081	758	1,1841
1305	36	712	854	996	1138	1281	1423	1708	1992	2135	777	1,1833
1341	37	730	875	1021	1167	1313	1459	1751	2043	2189	797	1,1825
1377	38	748	897	1047	1196	1346	1495	1794	2093	2243	817	1,1817

WIDTH L [mm]		1600	1800	2000	2200	2300	2500	OUTPUT PER LINEAR METER	Exp. n
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=30°C	
189	5	330	371	412	453	474	515	111	1,2082
225	6	397	446	496	546	570	620	134	1,2074
261	7	462	520	578	636	665	723	156	1,2066
297	8	530	596	662	728	761	828	179	1,2058
333	9	595	670	744	818	856	930	201	1,2050
369	10	662	745	828	911	952	1035	224	1,2042
405	11	728	819	910	1001	1047	1138	246	1,2034
441	12	794	893	992	1091	1141	1240	268	1,2026
477	13	859	967	1074	1181	1235	1343	291	1,2018
513	14	923	1039	1154	1269	1327	1443	312	1,2010
549	15	989	1112	1236	1360	1421	1545	335	1,2001
585	16	1053	1184	1316	1448	1513	1645	357	1,1993
621	17	1117	1256	1396	1536	1605	1745	378	1,1985
657	18	1181	1328	1476	1624	1697	1845	400	1,1977
693	19	1245	1400	1556	1712	1789	1945	422	1,1969
729	20	1309	1472	1636	1800	1881	2045	444	1,1961
765	21	1371	1543	1714	1885	1971	2143	465	1,1953
801	22	1434	1613	1792	1971	2061	2240	487	1,1945
837	23	1496	1683	1870	2057	2151	2338	508	1,1937
873	24	1558	1753	1948	2143	2240	2435	530	1,1920
909	25	1619	1822	2024	2226	2328	2530	550	1,1921
945	26	1682	1892	2102	2312	2417	2628	572	1,2074
981	27	1742	1960	2178	2396	2505	2723	593	1,1905
1017	28	1803	2029	2254	2479	2592	2818	614	1,1897
1053	29	1864	2097	2330	2563	2680	2913	635	1,1889
1089	30	1923	2164	2404	2644	2765	3005	655	1,1881
1125	31	1982	2230	2478	2726	2850	3098	676	1,1873
1161	32	2042	2297	2552	2807	2935	3190	696	1,1865
1197	33	2101	2363	2626	2889	3020	3283	717	1,1857
1233	34	2160	2430	2700	2970	3105	3375	737	1,1849
1269	35	2219	2497	2774	3051	3190	3468	758	1,1841
1305	36	2277	2561	2846	3131	3273	3558	777	1,1833
1341	37	2334	2626	2918	3210	3356	3648	797	1,1825
1377	38	2392	2691	2990	3289	3439	3738	817	1,1817



TAMARA VERTICAL

page 230

EUROPEAN WARRANTY

NEW

MATERIAL:
• Horizontal collectors in painted mild steel ø 30 mm.
• Vertical heating elements in painted mild steel elliptical 50 x 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

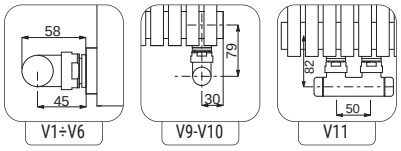
ACCESSORIES
See page 528

P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

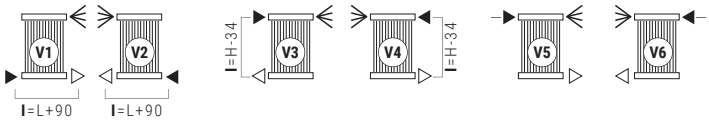
Height H [mm]	600	800	1000	1200	1400	1600	1800	2000
Therm. output per el. Δt = 50 °C [Watt]	45,1	58,4	71,5	84,6	97,7	110,9	124,2	137,6
Therm. output per el. Δt = 30 °C [Watt]	24,0	30,8	37,4	44,2	51,0	57,9	64,8	71,7
Dry Weight per section [kg]	0,827	1,049	1,271	1,492	1,714	1,935	2,157	2,379
Element Water content [lt]	0,608	0,805	1,001	1,198	1,394	1,590	1,787	1,983
Element surface [m²]	0,083	0,107	0,130	0,154	0,177	0,201	0,224	0,248
Exp. **n**	1,2372	1,2536	1,2701	1,2711	1,272	1,273	1,2739	1,2748
Pipe Centres I [mm] (V3-V4 only)	566	766	966	1166	1366	1566	1766	1966

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

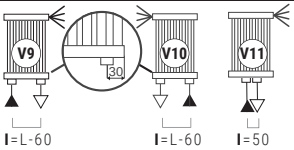
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **TAMARA VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Tamara vertical	Numero elements E.g.: 24 elements	Height in cm Example: 1800 mm	Article code of the connection Example: connection V2	Article code of the colour Example: S16 - Canary	Constant value
	TA50	24	180	V02	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
TA50 TAMARA VERTICAL
24 24 elements (see the table shown on the side)
180 Height 1800 mm (see the table shown on the side)
V02 connection V2
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
TA50 24 180 V02 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
Pipe centres 50 mm left
white R01 - ral 90101

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185

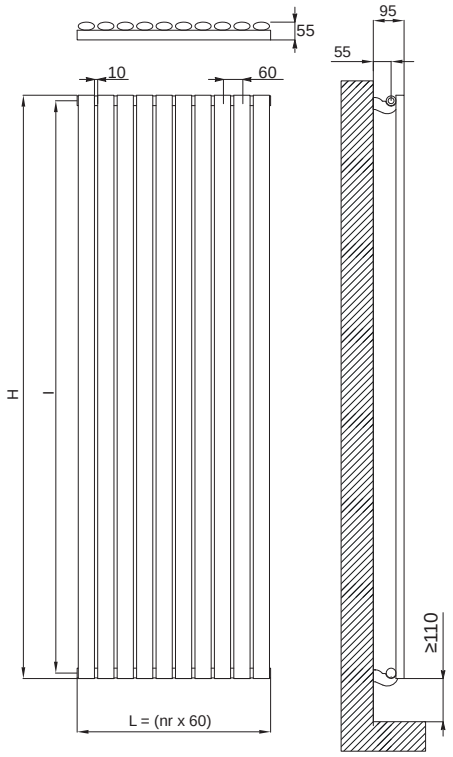


White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

TAMARA VERTICAL



Height H [mm]		600	800	1000	1200	1400	1600	1800	2000
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
300	5	226	292	358	423	489	554	621	688
360	6	271	350	429	508	586	665	745	826
420	7	316	409	501	592	684	776	869	963
480	8	361	467	572	677	782	886	994	1101
540	9	406	526	644	761	879	997	1118	1238
600	10	451	584	715	846	977	1108	1242	1376



TAMARA HORIZONTAL

page 232

EUROPEAN WARRANTY

NEW

MATERIAL:
- Vertical collectors in painted mild steel ø 30 mm.
- Horizontal heating elements in painted mild steel elliptical 50x25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

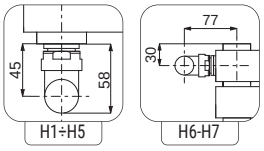
ACCESSORIES
See page 528

P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - 1 x 1/2" gas for airvent

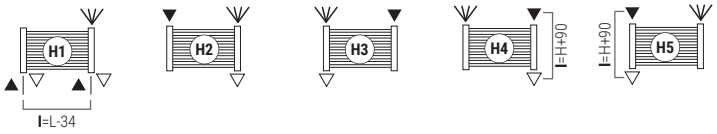
WIDTH L [mm]	600	800	1000	1200	1400	1600	1800	2000
Therm. output per el. Δt = 50 °C [Watt]	39,6	54	67,3	79,3	90,4	99,4	107,4	114
Therm. output per el. Δt = 30 °C [Watt]	21,9	29,7	36,8	43,5	49,7	54,9	59,4	63,3
Dry Weight per section [kg]	0,827	1,049	1,271	1,492	1,714	1,935	2,157	2,379
Element Water content [lt]	0,608	0,805	1,001	1,198	1,394	1,590	1,787	1,983
Element surface [m²]	0,083	0,107	0,130	0,154	0,177	0,201	0,224	0,248
Exp. **n**	1,1639	1,1721	1,1805	1,1749	1,1692	1,1636	1,158	1,1524
Pipe Centres I [mm] (H1 only)	566	766	966	1166	1366	1566	1766	1966

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

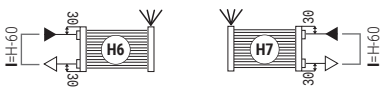
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **TAMARA HORIZONTAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	WIDTH in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Tamara horizontal	Numero elements E.g.: 18 elements	WIDTH in cm Example: 1200 mm	Article code of the connection Example: connection H2	Article code of the colour Example: S16 - Canary	Constant value
	TA50	18	120	H02	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
TA50 TAMARA HORIZONTAL
18 18 elements (see the table shown on the side)
120 WIDTH 1200 mm (see the table shown on the side)
H02 connection H2
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
TA50 18 120 H02 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve corner right
with thermostatic option
white R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311176

Multilayer conn. Ø 16
Art. nr. 5991990311175

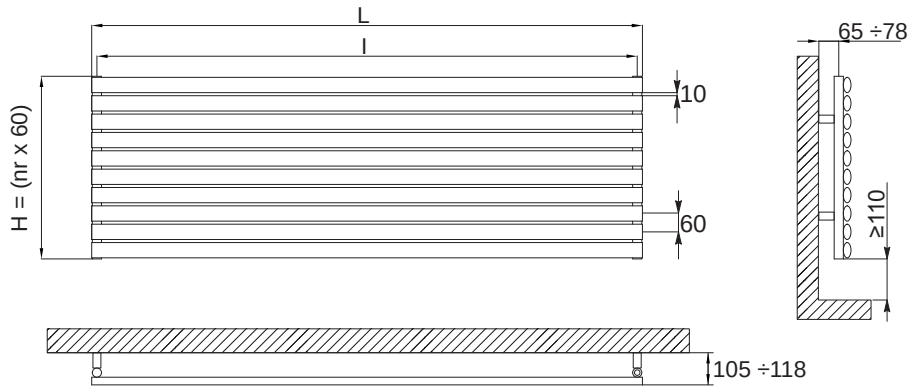


White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

TAMARA HORIZONTAL



WIDTH L [mm]		600	800	1000	1200	1400	1600	1800	2000
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
300	5	198	270	337	397	452	497	537	570
360	6	238	324	404	476	542	596	644	684
420	7	277	378	471	555	633	696	752	798
480	8	317	432	538	634	723	795	859	912
540	9	356	486	606	714	814	895	967	1026
600	10	396	540	673	793	904	994	1074	1140



TAMARA TANDEM VERTICAL

page 234

EUROPEAN WARRANTY

NEW

MATERIAL:
- Horizontal collectors in painted mild steel ø 30 mm.
- Double vertical heating elements in painted mild steel elliptical 50 x 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

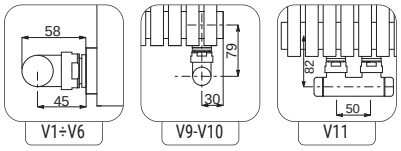
ACCESSORIES
See page 528

P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

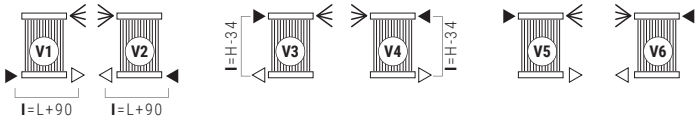
Height H [mm]	600	800	1000	1200	1400	1600	1800	2000
Therm. output per el. Δt = 50 °C [Watt]	69,7	90,1	110,1	129,8	149,3	168,7	188	207,3
Therm. output per el. Δt = 30 °C [Watt]	36,2	46,7	56,9	66,9	76,7	86,4	96,6	106,7
Dry Weight per section [kg]	1,528	1,972	2,415	2,858	3,302	3,745	4,188	4,631
Element Water content [lt]	1,195	1,587	1,980	2,373	2,765	3,158	3,551	3,943
Element surface [m²]	0,156	0,203	0,250	0,297	0,344	0,931	0,438	0,485
Exp. **n**	1,2831	1,2883	1,2935	1,2987	1,3038	1,3089	1,3042	1,2994
Pipe Centres I [mm] (V3-V4 only)	566	766	966	1166	1366	1566	1766	1966

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

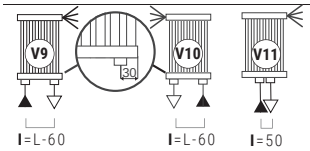
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋖ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **TAMARA TANDEM VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Tamara tandem vertical	Numero elements E.g.: 12 elements	Height in cm Example: 1800 mm	Article code of the connection Example: connection V1	Article code of the colour Example: S16 - Canary	Constant value
	TT50	12	180	V01	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
TT50 TAMARA TANDEM VERTICAL
12 12 elements (see the table shown on the side)
180 Height 1800 mm (see the table shown on the side)
V01 connection V1
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
TT50 12 180 V01 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
Pipe centres 50 mm left
white R01 - ral 90101

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185

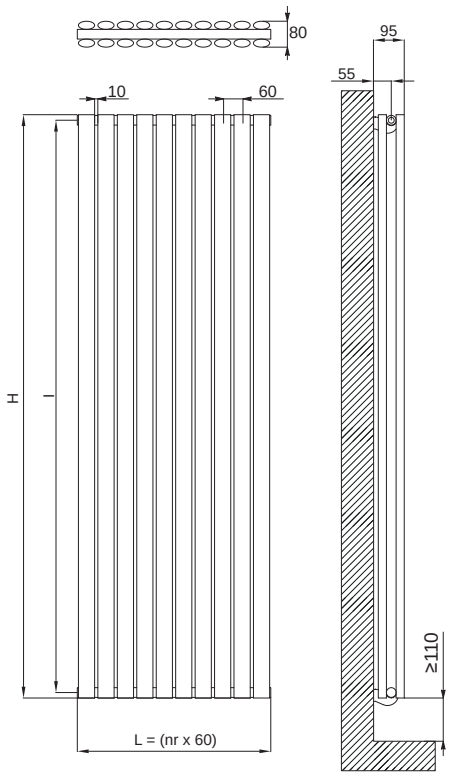


White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

TAMARA TANDEM VERTICAL



Height H [mm]		600	800	1000	1200	1400	1600	1800	2000
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
300	5	349	451	551	649	747	844	940	1037
360	6	418	541	661	779	896	1012	1128	1244
420	7	488	631	771	909	1045	1181	1316	1451
480	8	558	721	881	1038	1194	1350	1504	1658
540	9	627	811	991	1168	1344	1518	1692	1866
600	10	697	901	1101	1298	1493	1687	1880	2073



TAMARA TANDEM HORIZONTAL

page 236

EUROPEAN WARRANTY

NEW

MATERIAL:
- Vertical collectors in painted mild steel ø 30 mm.
- Double horizontal heating elements in painted mild steel elliptical 50 x 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

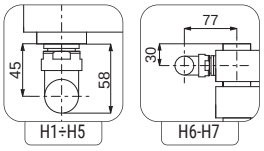
ACCESSORIES
See page 528

P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas

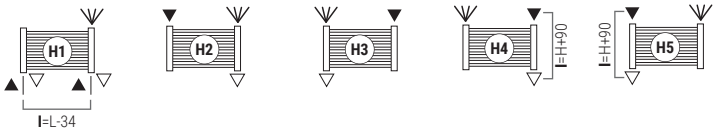
WIDTH L [mm]	600	800	1000	1200	1400	1600	1800	2000
Therm. output per el. Δt = 50 °C [Watt]	63,1	84,0	104,8	125,7	146,5	167,5	188,5	209,6
Therm. output per el. Δt = 30 °C [Watt]	34,3	46,1	58,0	69,7	81,3	93,0	104,7	116,4
Dry Weight per section [kg]	1,528	1,972	2,415	2,858	3,302	3,745	4,188	4,631
Element Water content [lt]	1,195	1,587	1,980	2,373	2,765	3,158	3,551	3,943
Element surface [m²]	0,156	0,203	0,250	0,297	0,344	0,931	0,438	0,485
Exp. **n**	1,1930	1,1749	1,1569	1,155	1,1532	1,1514	1,1516	1,1519
Pipe Centres I [mm] (H1 only)	566	766	966	1166	1366	1566	1766	1966

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

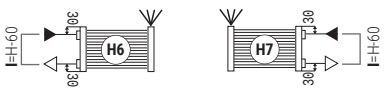
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **TAMARA TANDEM HORIZONTAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	WIDTH in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Tamara tandem horizontal	Numero elements E.g.: 12 elements	WIDTH in mm Example: 1200 mm	Article code of the connection Example: connection H4	Article code of the colour Example: S16 - Canary	Constant value
	TT50	12	120	H04	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
TT50 TAMARA TANDEM HORIZONTAL
12 12 elements (see the table shown on the side)
120 WIDTH 1200 mm (see the table shown on the side)
H04 connection H4
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
TT50 12 120 H04 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve corner right
with thermostatic option
white R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311176

Multilayer conn. Ø 16
Art. nr. 5991990311175

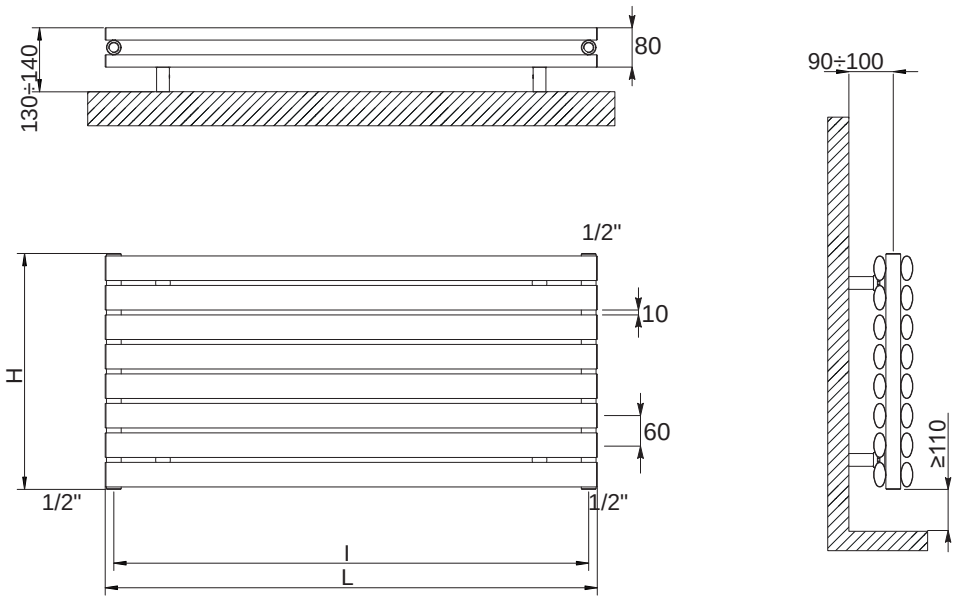


White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

TAMARA TANDEM HORIZONTAL



WIDTH L [mm]		600	800	1000	1200	1400	1600	1800	2000
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
300	5	316	420	524	629	733	838	943	1048
360	6	379	504	629	754	879	1005	1131	1258
420	7	442	588	734	880	1026	1173	1320	1467
480	8	505	672	838	1006	1172	1340	1508	1677
540	9	568	756	943	1131	1319	1508	1697	1886
600	10	631	840	1048	1257	1465	1675	1885	2096



SOFI® HORIZONTAL HC

THE VENTILATED RADIATOR FOR HEATING / COOLING

page 240

EUROPEAN
WARRANTY

NEW

DESCRIPTION:
SOFI® is the brand new radiator with high power and efficiency, which combines the features and appearance of a traditional radiator with the functions and performance of a fan coil. Ideal for functioning even at low temperatures. SOFI® is a system that can be used in both, heating and cooling.

FIXING KIT:
Wall fixing plate and wall plugs suitable for compact or hollow brick walls.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
Suitable for PICTURE version
For other colours see page 560.

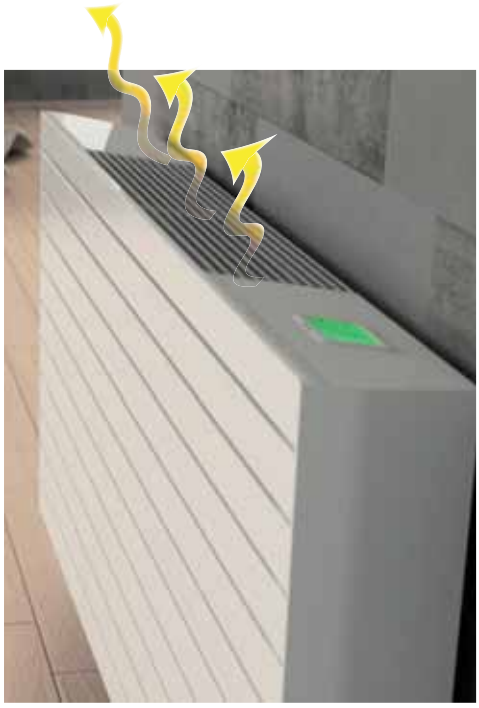
CLEANING:
Folding front panel to allow accurate cleaning of the entire radiator.
Filters are easily removable, washable or replaceable.

Hot water working conditions:	Connections: 2 x 1/2" gas	P. Max: 5 bar	T. Max: 110° C

Class protection:	CLASS 1	Power supply: 230V/50Hz

CERTIFICATIONS

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

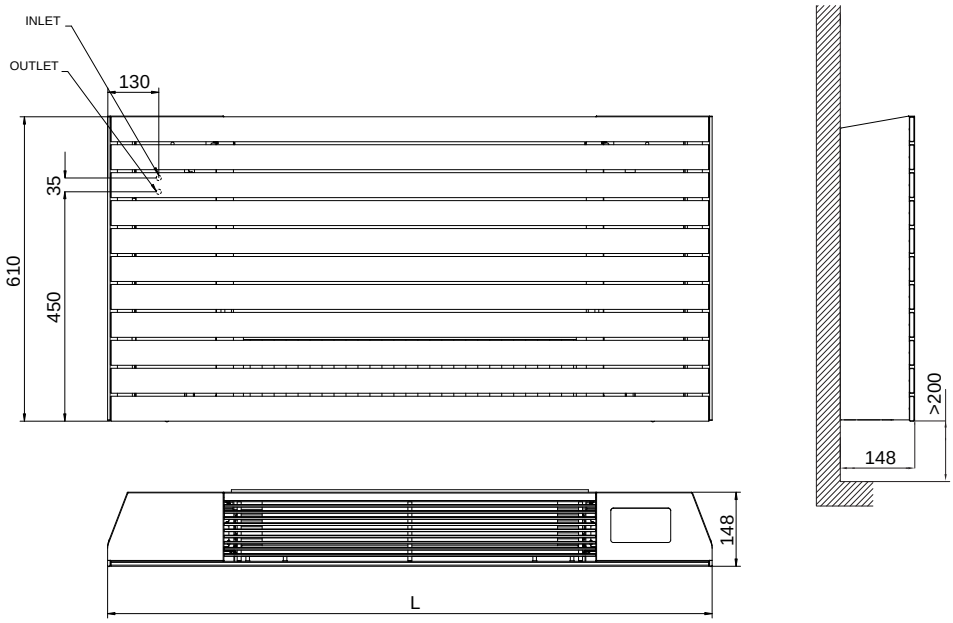




- HIGH EFFICIENCY RADIATOR
- DC INVERTER BRUSHLESS MOTOR
- 3-WAY BY-PASS VALVE HOT/ COLD
- VARIABLE SPEED BLOWER
- DIGITAL CONTROL UNIT AND ECO FUNCTION
- AVAILABLE IN 80 COLORS

SOFI® HORIZONTAL HC

THE VENTILATED RADIATOR FOR HEATING / COOLING



SOFI® HORIZONTAL HC

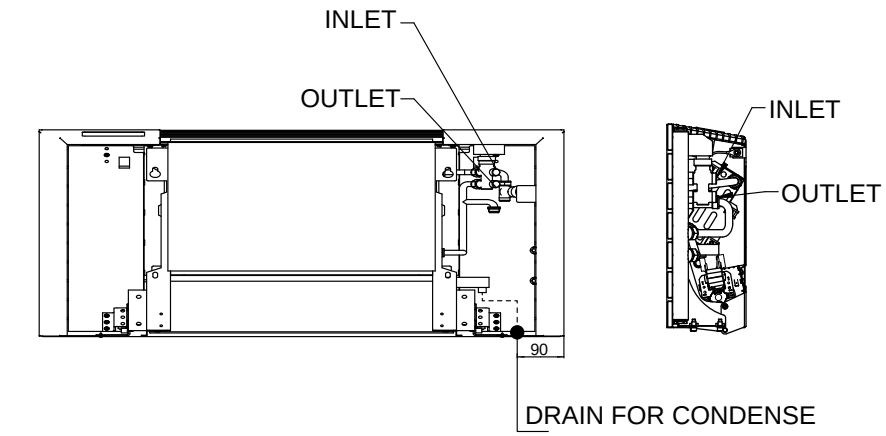
WIDTH L [mm]	Height H [mm]	Art. nr.	Thermal output in heating [Watt]										
			THERMAL OUTPUT IN HEATING			MEDIUM VENTILATION				MAXIMUM VENTILATION			
			T1 =70	T1 =60	T1= 50	T1 =70	T1 =60	T1= 50	T1= 45	T1 =70	T1 =60	T1= 50	T1= 45
800	610	3605776101001	1040	792	585	1952	1532	1175	987	2049	1627	1233	1015
1000	610	3605776101002	1709	1311	991	3533	2791	2170	1839	3726	3021	2286	1895
1200	610	3605776101003	2423	1997	1377	5079	4210	3035	2504	5372	4404	3196	2662
1400	610	3605776101004	3145	2591	1829	7202	5694	4085	3682	7202	6049	4645	3736

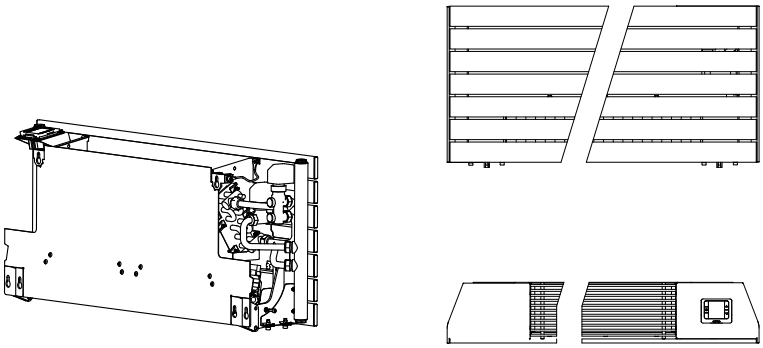
SOFI® HORIZONTAL HC
TECHNICAL CHARACTERISTICS

Model L [mm]	800		1000		1200		1400	
Fan speed	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
	HEATING T1=70°C							
Output [watt]	1585	2049	2798	3726	4103	5372	5422	7202
Ambient temperature [°C]	20°C							
Flow rate [l/h]	162		343		471		600	
Pressure drop [kPa]	7,0		7,5		19,0		25,0	
	heating T1=50°C							
Output [watt]	931	1233	1683	2286	2395	3196	3240	4645
Ambient temperature [°C]	20°C							
Flow rate [l/h]	142		302		453		573	
Pressure drop [kPa]	6,5		7,0		18,5		24,5	
	COOLING 7°C							
Total Cooling Capacity [watt]	574	748	1148	1496	1834	2154	2536	3120
Sensible Cooling Capacity [watt]	470	610	941	1250	1503	1900	2079	2600
	COOLING 12° C							
Output [watt]	376	480	752	960	1058	1412	1590	2066
Ambient temperature [°C]	27 - 19 °C							
Flow rate [l/h]	142		302		453		573	
Pressure drop [kPa]	7		9		22		28	
	OTHER DATA							
Air flow heating [m3/h]	0	160	0	320	0	460	0	580
Air flow cooling [m3/h]	50	160	150	320	200	460	300	580
Sound pressure heating [db(A)]	0	44	0	44	0	44	0	44
Sound pressure cooling [db(A)]	28	44	28	44	28	44	28	44
Maximum electrical power absorbed [watt]	14		23		27		33	
Water content [lt]	5,2		5,6		7,4		8,4	
Dry weight [Kg]	33,5		43,1		52,8		60,4	

SOFI® HORIZONTAL HC

THE VENTILATED RADIATOR FOR HEATING / COOLING





- High efficiency radiator
- DC inverter Brushless motor
- 3-Way by-pass valve hot/cold
- Variable speed blower
- Digital control unit and ECO function

DISPLAY TOUCH



PRINCIPALI FUNZIONI

- Heating mode
- Cooling mode
- Auto mode
- Dehumidification mode
- Fan mode
- Electric valve 1 and 2
- Timer
- Electric heater
- Night mode
- Display touchpad block
- Fan mode
- Air inlet temperature and set temperature

IDEAL FOR HEAT PUMPS WITH (ΔT 30°C)

The radiator SOFI is suitable for installations working at low temperatures, such as condensing boilers, heat pumps and solar thermal, allowing considerable energy and cost savings.

HIGH EFFICIENCY ALSO WITH TRADITIONAL INSTALLATIONS

With systems that exploit traditional boilers, SOFI, thanks to its power and reduced thermal inertia, is the most efficient solution for maximum comfort in the shortest possible time, even with fewer terminals.

INDICATED FOR RENOVATIONS

Sofi® offers the opportunity to take advantage of new technologies for low temperatures efficiently and economically, without the need to intervene with heavy plant operations, thanks to the flexibility of connections.

MAXIMUM SILENCE

Even in ventilation mode, the SOFI offers maximum quietness of the devices. In addition, its electricity consumption is remarkably low (9.9 watts) thanks to the DC Inverter Brushless motor.

CLIMATE COMFORT MAINTENANCE

Climate comfort during nighttime with switched off ventilation, is granted by the plate of the radiator and by the finned coils through radiation and convection.

MAXIMUM HYGIENE AND EASY TO CLEAN

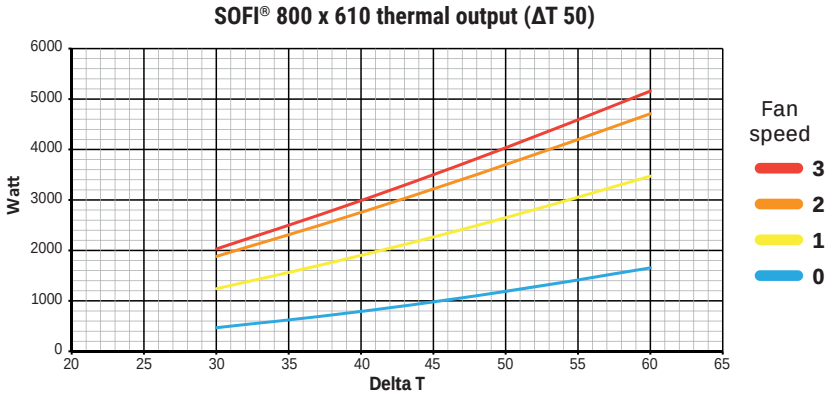
Sofi® is equipped with filters able to keep dust, dust mites, bacteria and odors to ensure maximum environments hygiene, limiting the allergenic making the air more breathable. The filters are easily removable, cleanable and replaceable. The radiator can be fully inspected for cleaning.

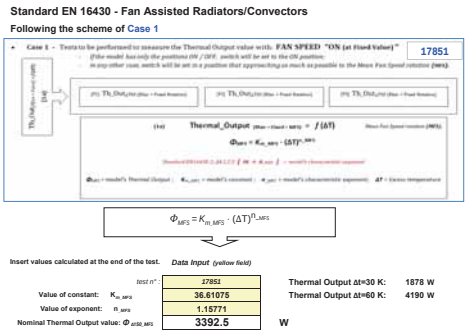
REDUCED DIMENSIONS, MAXIMUM VERSATILITY

Sofi® satisfies every need, thanks to the reduced dimensions, the elegant design, the 80 available colors and picture version.

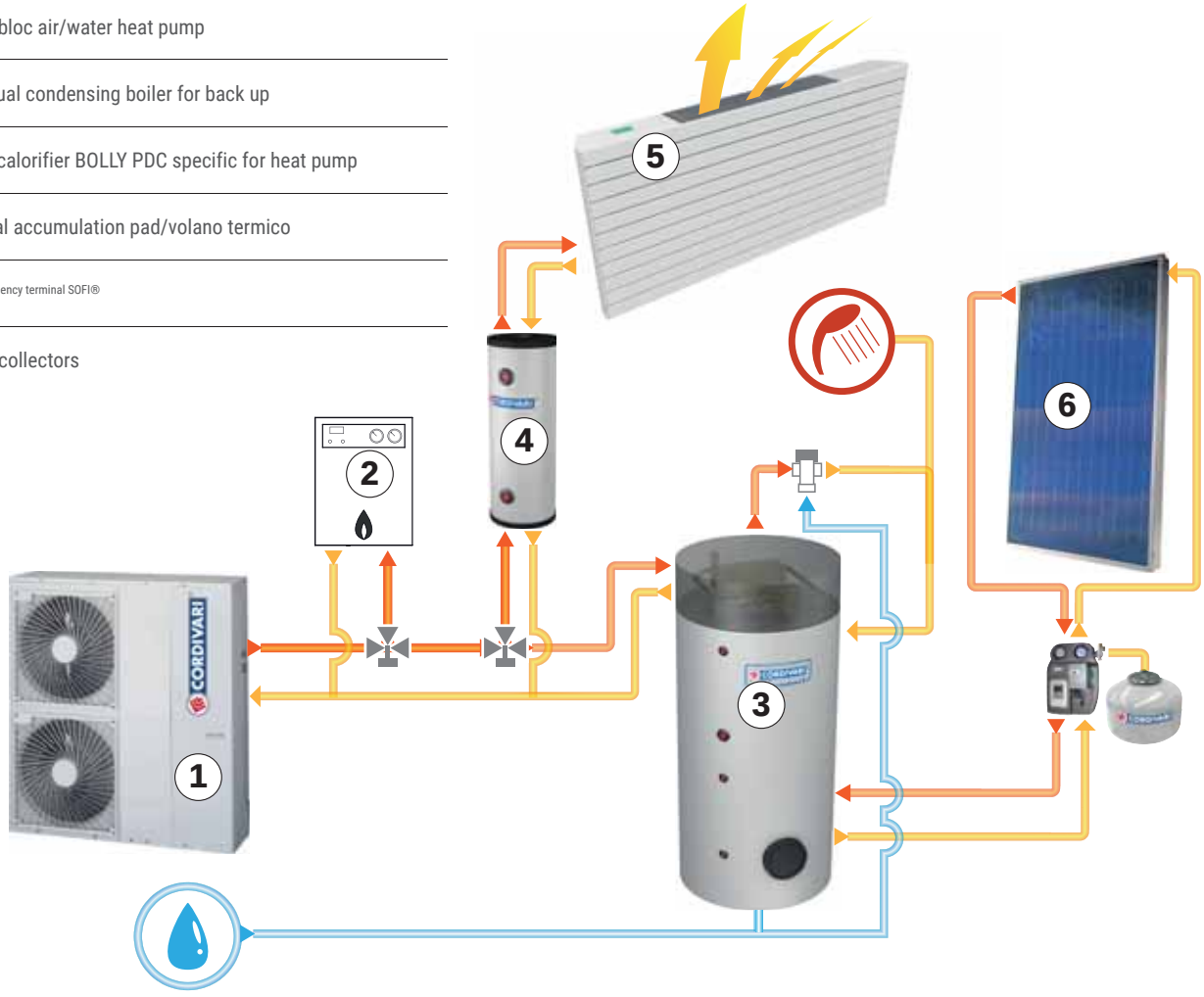
SOFI® HORIZONTAL HC

THE VENTILATED RADIATOR FOR HEATING / COOLING





1	Monobloc air/water heat pump
2	Eventual condensing boiler for back up
3	DHW calorifier BOLLY PDC specific for heat pump
4	Inertial accumulation pad/volano termico
5	High efficiency terminal SOFI®
6	Solar collectors





SOFI® VERTICAL

THE VENTILATED RADIATOR

PATENTED

page 242

EUROPEAN
WARRANTY

DESCRIPTION:
SOFI® is the radiator of high power and efficiency which combines the features and appearance of a traditional radiator and the performance of a fan coil. Ideal for operation even at low temperatures. SOFI® is a terminal for heating system.

FIXING KIT:
Wall fixing plate and wall plugs suitable for compact or hollow brick walls.

PACKAGING:
The radiator is protected by recyclable carton box. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
Suitable for PICTURE version
For other colours see page 560.

ELECTRIC ENERGY CONSUMPTION:
9,9 watt.
Wire lenght: 500 mm.

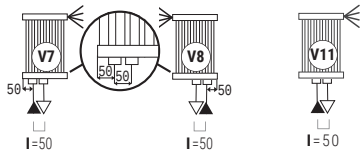
Hot water working conditions:	P. Max: 5 bar	T. Max: 110° C

Class protection:	CLASS 2	Power supply: 230V/50Hz

CERTIFICATIONS

CE EN 442-1 EUROPEAN NORM RADIATORS AND CONVECTORS

CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

ACCESSORIES



Kristal valve square
manual pipe centres
50 mm
White R01 - ral 9010
Copper conn. Ø 12/14/15
Art. nr. 5991990311192

Multilayer conn. Ø 16
Art. nr. 5991990311191



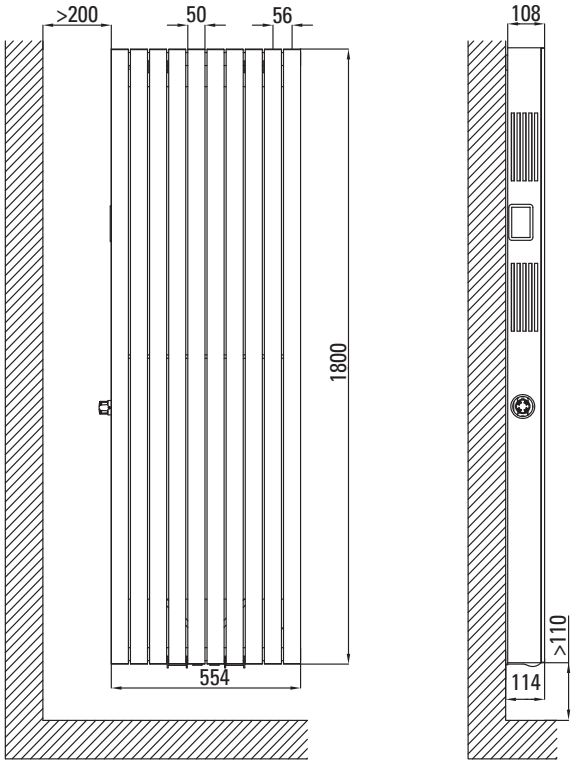
Kristal valve straight
manual pipe centres
50 mm
White R01 - ral 9010
Copper conn. Ø 12/14/15
Art. nr. 5991990311194

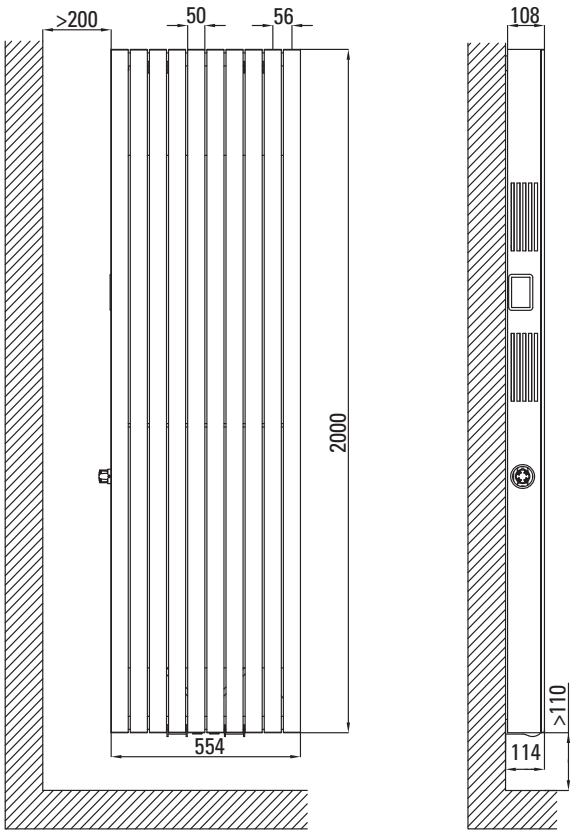
Multilayer conn. Ø 16
Art. nr. 5991990311193

Accessories and spare parts - see from page 528

SOFI® VERTICAL

THE VENTILATED RADIATOR





SOFI® VERTICAL

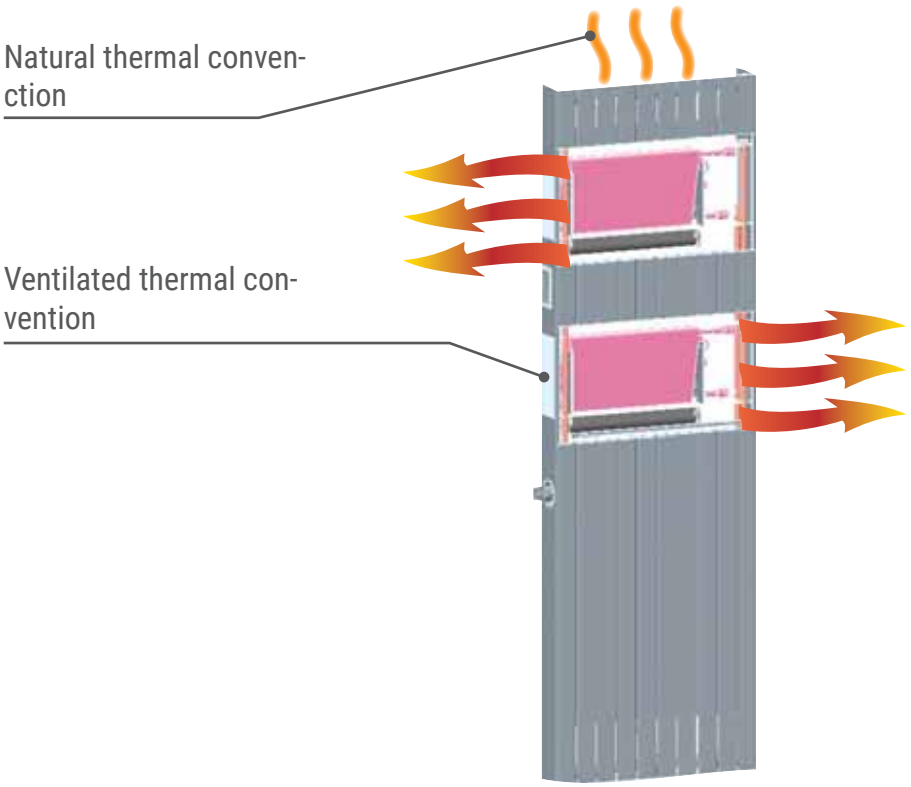
Height H [mm]	WIDTH L [mm]	Pipe Centres I [mm]	Art. nr.	Thermal output in heating [Watt]											
				OFF			SPEED 1			SPEED 2			SPEED 8 - **BOOST**		
				Δt=50°C	Δt=40°C	Δt=30°C	**Δt=50°C**	Δt=40°C	Δt=30°C	**Δt=50°C**	Δt=40°C	Δt=30°C	**Δt=50°C**	Δt=40°C	Δt=30°C
1800	554	50	3605776100003	2167	1711	1249	2571	1955	1305	2996	2277	1438	3257	2665	1564
2000	554	50	3605776100006	2287	1831	1369	2691	2075	1425	3116	2397	1558	3377	2785	1684

Art. nr. are referred to colour WHITE R01 - RAL 9010 version and V11 connection.

Height H [mm]	**1800**	**2000**
Dry Weight per section [kg]	52	55
Element Water content [lt]	17,8	19,7

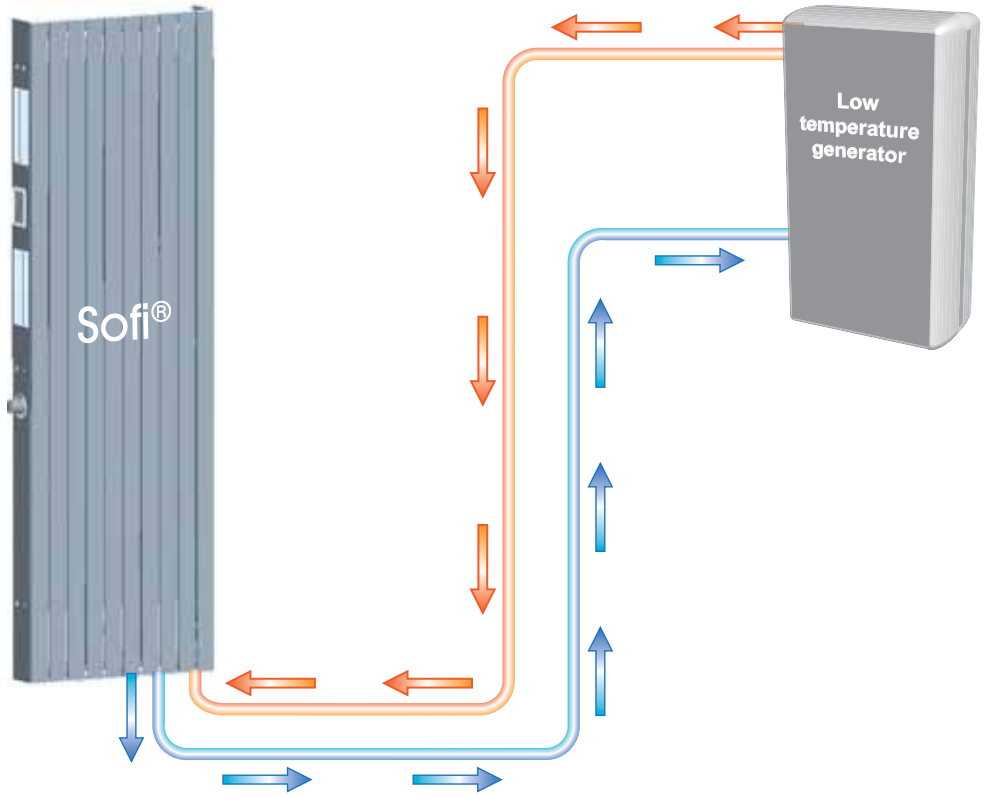
SOFI® VERTICAL

THE VENTILATED RADIATOR



THERMAL COMFORT

The ventilated radiator SOFI® combines the power of forced ventilation to natural radiation of traditional radiator. With the fans running SOFI® promotes rapid achievement of thermal comfort, with the fans off the heat is emanated by the plate of the radiator.

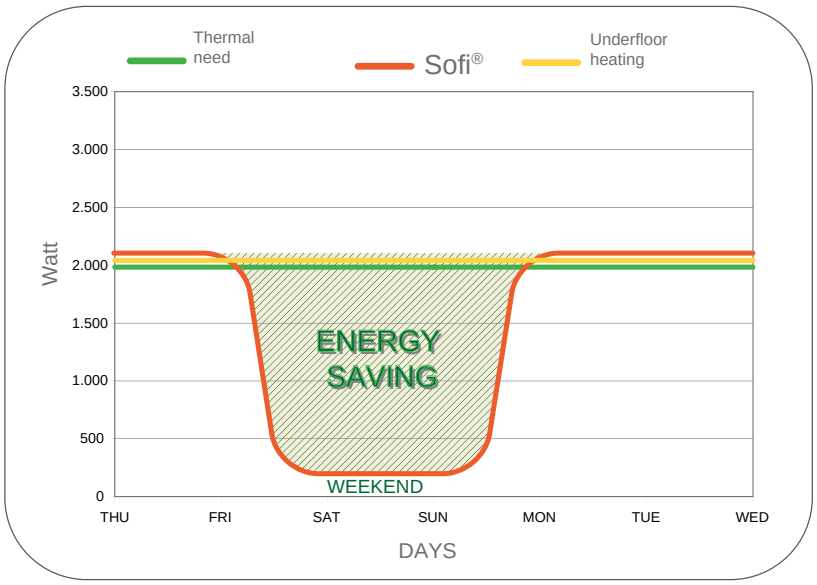


HYDRONIC SYSTEM

Sofi® is particularly suitable for installations working at low temperatures, such as condensing boilers, heat pumps and solar thermal, allowing considerable energy and cost savings.
SOFI leverages the principle of hydronic systems which water is used as a heat transfer fluid to heat. The hydronic system therefore has less restrictions with substantial advantages in terms of energy saving.

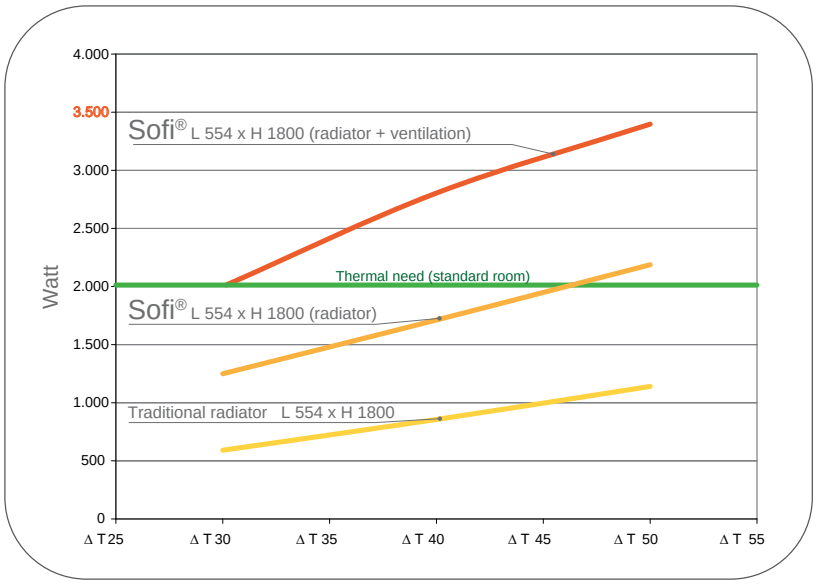
SOFI® VERTICAL

THE VENTILATED RADIATOR



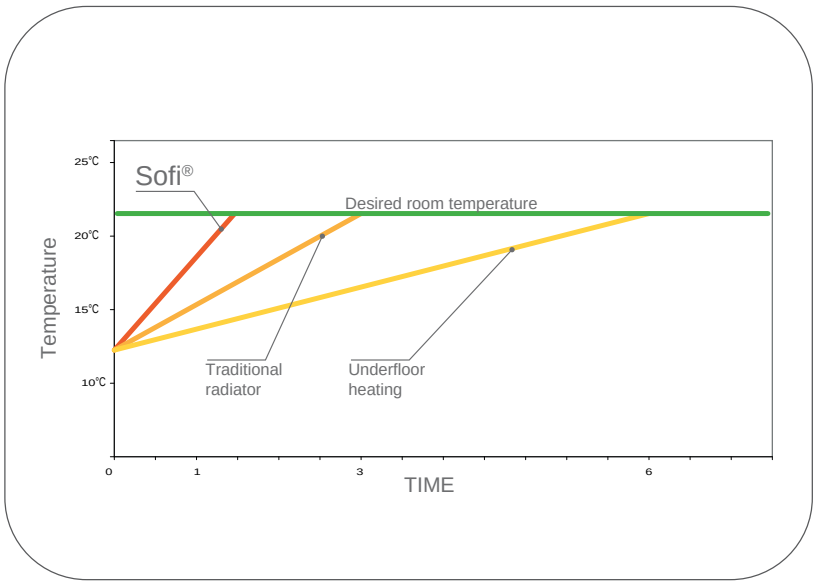
EFFICIENCY

Consume comparison chart between the ventilated radiator SOFI® and a floor heating system.
The SOFI® during periods when the House is uninhabited (holiday period or when you are at work) is not functioning and this translates into energy savings, returned home SOFI® quickly allows to recreate the perfect climate comfort, or through the control unit you can program the time of switch on, which will find you your House already warm. As can be seen from the chart instead the underfloor heating systems must be running continuously to ensure climate comfort, even when the House is vacant, with greater energy waste.



OUTPUT

Comparison chart of thermal performance of a traditional radiator with our SOFI® with turned off fans.
As can be seen from the chart, with the same measurements also with the fans switched off, SOFI® has a longer performance compared to a traditional radiator, with the fans running SOFI® develops all its power reaching 3500 watt.



IMMEDIATE COMFORT

Comparison chart of the time to reach the desired room temperature between the ventilated radiator SOFI®, traditional radiator and a underfloor heating system. An underfloor heating system to reach the ideal room temperature takes about 6 hours from its ignition, a traditional radiator takes about 3 hours, SOFI® allows to reach the ideal temperature in 1 hour, much faster than the traditional radiator and the underfloor heating system and in more versatile way, as the fans can be switched on and off whenever you need it.



ARDESIA®
2 COLUMNS
FOR REPLACEMENT

page 13

WARRANTY
5 YEARS

Functioning:	hot water

Maximun working pressure	10 bar
Testing conditions	13 bar

Maximum temperature	110°C
Minimum flow in % of the nominal flow rate:	18

Hub	1"
Section width	46 mm

MATERIAL:
• Pressed heads in carbon steel sheet.
• Welded carbon steel tube ø 25 mm.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled carton. User notice included.

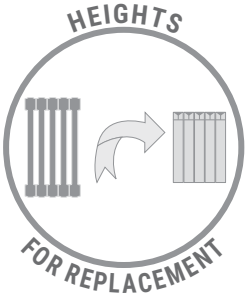
PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Standard white RAL 9010 - R01. Other colours see page 560.

CERTIFICATIONS

CE

EURONORM EN 442-1 RADIATORS AND CONVECTORS



HOW TO ORDER **ARDESIA® 2 COLUMNS**

ARTICLE NR. STRUCTURE

Model and nr COLUMNS	Elements nr.	Height in mm	Article code of the connection	Article code of the colour	Constant value
AAA	BB	CCCC	DDD	EEE	A

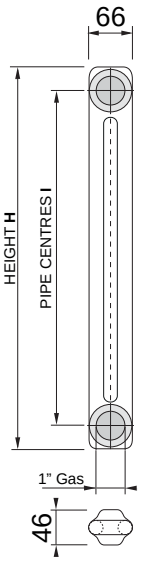
EXAMPLE

Model and nr COLUMNS E.g.: Ardesia® 2 COLUMNS	Numero elements E.g.: 12 elements	Height in mm Example: 756 mm	Article code of the connection Example: connection 2	Article code of the colour Example: H48-Dove	Constant value
AR2	12	0756	002	H48	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AR2 ARDESIA® 2 COLUMNS
12 12 elements (see the table shown on the side)
0756 Height 756 mm (see the table shown on the side)
002 connection 2 (see page 254)
H48 colour H48-Dove (see page 560)
A (Constant value)
The article code will be:
AR2 12 0756 002 H48 A

TECHNICAL DATA PER SECTION

	CAST IRON		ALUMINIUM							LAMELLAR e PANEL			
Height H [mm]	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
Pipe Centres I [mm]	**620**	**820**	**500**	**600**	**700**	**800**	**1600**	**1800**	**2000**	**530**	**570**	**730**	**870**
(90/70/20°C) ΔT 60 = W	66,5	84,7	55,6	64,7	73,7	82,8	157,6	177,2	197,4	58,3	61,9	76,4	89,2
(75/65/20°C) ΔT 50 = W	**52,4**	**66,5**	**44**	**51**	**58**	**65,1**	**123,1**	**138,4**	**154,2**	**46,1**	**48,9**	**60,1**	**70**
(65/55/20°C) ΔT 40 = W	39,2	49,4	33,1	38,2	43,3	48,4	91	102,3	114	34,6	36,7	44,9	52
(55/45/20°C) ΔT 30 = W	27	33,7	22,9	26,3	29,7	33,1	61,6	69,3	77,2	23,9	25,3	30,7	35,4
Water Content [lt]	0,67	0,83	0,58	0,66	0,74	0,82	1,46	1,62	1,78	0,6	0,63	0,76	0,78
Dry Weight [kg]	1,02	1,3	0,85	0,99	1,13	1,27	2,4	2,69	2,98	0,89	0,95	1,18	1,29
Exp. [n]	1,299	1,327	1,283	1,297	1,311	1,324	1,355	1,355	1,355	1,287	1,292	1,315	1,332
Nominal flow rate [kg/h]	4,5	5,7	3,8	4,4	5	5,6	10,6	11,9	13,3	4	4,2	5,2	6
Radiation quote [%]	24	24	25	25	24	24	23	23	23	25	25	25	24
Surface [m²]	0,11	0,14	0,09	0,1	0,12	0,13	0,25	0,28	0,31	0,09	0,12	0,1	0,14



2 COLUMNS HEIGHTS FOR REPLACEMENT

ardesia

N° OF SECTIONS		CAST IRON		ALUMINIUM							LAMELLAR		PANEL	
WIDTH [mm]	H	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
	Pipe Centres	620	820	500	600	700	800	1600	1800	2000	530	570	730	870
3 138 mm	W	157	200	132	153	174	195	369	415	463	138	147	180	210
4 184 mm	W	210	266	176	204	232	260	492	554	617	184	196	240	280
5 230 mm	W	262	333	220	255	290	326	616	692	771	231	245	301	350
6 276 mm	W	314	399	264	306	348	391	739	830	925	277	293	361	420
7 322 mm	W	367	466	308	357	406	456	862	969	1079	323	342	421	490
8 368 mm	W	419	532	352	408	464	521	985	1107	1234	369	391	481	560
9 414 mm	W	472	599	396	459	522	586	1108	1246	1388	415	440	541	630
10 460 mm	W	524	665	440	510	580	651	1231	1384	1542	461	489	601	700
11 506 mm	W	576	732	484	561	638	716	1354	1522	1696	507	538	661	770
12 552 mm	W	629	798	528	612	696	781	1477	1661	1850	553	587	721	840
13 598 mm	W	681	865	572	663	754	846	1600	1799	2005	599	636	781	910
14 644 mm	W	734	931	616	714	812	911	1723	1938	2159	645	685	841	980
15 690 mm	W	786	998	660	765	870	977	1847	2076	2313	692	734	902	1050
16 736 mm	W	838	1064	704	816	928	1042	1970	2214	2467	738	782	962	1120
17 782 mm	W	891	1131	748	867	986	1107	2093	2353	2621	784	831	1022	1190
18 828 mm	W	943	1197	792	918	1044	1172	2216	2491	2776	830	880	1082	1260
19 874 mm	W	996	1264	836	969	1102	1237	2339	2630	2930	876	929	1142	1330
20 920 mm	W	1048	1330	880	1020	1160	1302	2462	2768	3084	922	978	1202	1400
21 966 mm	W	1100	1397	924	1071	1218	1367	2585	2906	3238	968	1027	1262	1470
22 1012 mm	W	1153	1463	968	1122	1276	1432	2708	3045	3392	1014	1076	1322	1540
23 1058 mm	W	1205	1530	1012	1173	1334	1497	2831	3183	3547	1060	1125	1382	1610
24 1104 mm	W	1258	1596	1056	1224	1392	1562	2954	3322	3701	1106	1174	1442	1680
25 1150 mm	W	1310	1663	1100	1275	1450	1628	3078	3460	3855	1153	1223	1503	1750
26 1196 mm	W	1362	1729	1144	1326	1508	1693	3201	3598	4009	1199	1271	1563	1820
27 1242 mm	W	1415	1796	1188	1377	1566	1758	3324	3737	4163	1245	1320	1623	1890
28 1288 mm	W	1467	1862	1232	1428	1624	1823	3447	3875	4318	1291	1369	1683	1960
29 1344 mm	W	1520	1929	1276	1479	1682	1888	3570	4014	4472	1337	1418	1743	2030
30 1380 mm	W	1572	1995	1320	1530	1740	1953	3693	4152	4626	1383	1467	1803	2100
31 1426 mm	W	1624	2062	1364	1581	1798	2018	3816	4290	4780	1429	1516	1863	2170
32 1472 mm	W	1677	2128	1408	1632	1856	2083	3939	4429	4934	1475	1565	1923	2240
33 1518 mm	W	1729	2195	1452	1683	1914	2148	4062	4567	5089	1521	1614	1983	2310
34 1564 mm	W	1782	2261	1496	1734	1972	2213	4185	4706	5243	1567	1663	2043	2380
35 1610 mm	W	1834	2328	1540	1785	2030	2279	4309	4844	5397	1614	1712	2104	2450
36 1656 mm	W	1886	2394	1584	1836	2088	2344	4432	4982	5551	1660	1760	2164	2520
37 1702 mm	W	1939	2461	1628	1887	2146	2409	4555	5121	5705	1706	1809	2224	2590
38 1748 mm	W	1991	2527	1672	1938	2204	2474	4678	5259	5860	1752	1858	2284	2660
39 1794 mm	W	2044	2594	1716	1989	2262	2539	4801	5398	6014	1798	1907	2344	2730
40 1840 mm	W	2096	2660	1760	2040	2320	2604	4924	5536	6168	1844	1956	2404	2800

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nippling operation) with lock key smaller than 1 mt.
Each couple of batteries inclusive of 2 nipples and 2 seals. For batteries with more than 85 sections with lateral connection, see probes kit at page 539



ARDESIA®
3 COLUMNS
FOR REPLACEMENT

page 13

WARRANTY
5 YEARS

Functioning:	hot water

Maximun working pressure	10 bar
Testing conditions	13 bar

Maximum temperature	110°C
Minimum flow in % of the nominal flow rate:	18

Hub	1"
Section width	46 mm

MATERIAL:
• Pressed heads in carbon steel sheet.
• Welded carbon steel tube ø 25 mm.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled carton. User notice included.

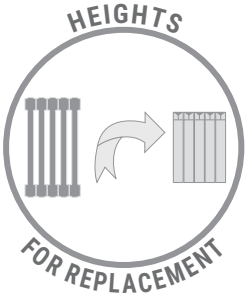
PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Standard white RAL 9010 - R01. Other colours see page 560.

CERTIFICATIONS

CE

EURONORM EN 442-1 RADIATORS AND CONVECTORS



HOW TO ORDER **ARDESIA® 3 COLUMNS**

ARTICLE NR. STRUCTURE

Model and nr COLUMNS	Elements nr.	Height in mm	Article code of the connection	Article code of the colour	Constant value
AAA	BB	CCCC	DDD	EEE	A

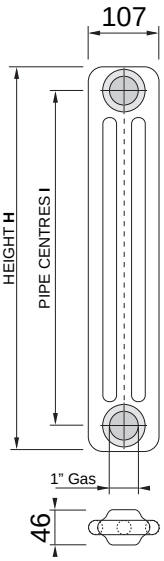
EXAMPLE

Model and nr COLUMNS E.g.: Ardesia® 3 COLUMNS	Numero elements E.g.: 14 elements	Height in mm Example: 586 mm	Article code of the connection Example: connection 2	Article code of the colour Example: R01-White	Constant value
AR3	14	0586	002	R01	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AR3 ARDESIA® 3 COLUMNS
14 14 elements (see the table shown on the side)
0586 Height 586 mm (see the table shown on the side)
002 connection 2 (see page 254)
R01 colour R01-White (see page 560)
A (Constant value)
The article code will be:
AR3 14 0586 002 R01 A

TECHNICAL DATA PER SECTION

	CAST IRON		ALUMINIUM							LAMELLAR e PANEL			
Height H [mm]	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
Pipe Centres I [mm]	**620**	**820**	**500**	**600**	**700**	**800**	**1600**	**1800**	**2000**	**530**	**570**	**730**	**870**
(90/70/20°C) ΔT 60 = W	92,5	117,8	77,2	90	102,7	115,3	213,2	236,6	260,1	81	86,1	106,5	124,1
(75/65/20°C) ΔT 50 = W	**72,8**	**92,3**	**60,9**	**70,8**	**80,6**	**90,4**	**166,7**	**185,5**	**204,3**	**63,8**	**67,8**	**83,6**	**97,2**
(65/55/20°C) ΔT 40 = W	54,3	68,5	45,5	52,8	60	67,1	123,3	137,6	151,9	47,7	50,6	62,1	72
(55/45/20°C) ΔT 30 = W	37,2	46,6	31,3	36,2	41	45,7	83,6	93,6	103,7	32,8	34,7	42,4	48,9
Water Content [lt]	1	1,24	0,85	0,97	1,09	1,21	2,18	2,42	2,66	0,89	0,94	1,13	1,26
Dry Weight [kg]	1,53	1,96	1,28	1,49	1,7	1,91	3,61	4,04	4,47	1,34	1,43	1,77	1,95
Exp. [n]	1,316	1,339	1,302	1,314	1,325	1,337	1,35	1,338	1,326	1,306	1,31	1,329	1,343
Nominal flow rate [kg/h]	6,3	7,9	5,2	6,1	6,9	7,8	14,3	16	17,6	5,5	5,8	7,2	8,4
Radiation quote [%]	22	22	22	22	22	22	20	19	19	22	22	22	21
Surface [m²]	0,16	0,2	0,13	0,15	0,18	0,2	0,38	0,43	0,47	0,14	0,15	0,18	0,22



3 COLUMNS HEIGHTS FOR REPLACEMENT

ardesia

N° OF SECTIONS		CAST IRON		ALUMINIUM							LAMELLAR		PANEL	
WIDTH [mm]	H	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
	Pipe Centres	620	820	500	600	700	800	1600	1800	2000	530	570	730	870
3 138 mm	W	218	277	183	212	242	271	500	557	613	191	203	251	292
4 184 mm	W	291	369	244	283	322	362	667	742	817	255	271	334	389
5 230 mm	W	364	462	305	354	403	452	834	928	1022	319	339	418	486
6 276 mm	W	437	554	365	425	484	542	1000	1113	1226	383	407	502	583
7 322 mm	W	510	646	426	496	564	633	1167	1299	1430	447	475	585	680
8 368 mm	W	582	738	487	566	645	723	1334	1484	1634	510	542	669	778
9 414 mm	W	655	831	548	637	725	814	1500	1670	1839	574	610	752	875
10 460 mm	W	728	923	609	708	806	904	1667	1855	2043	638	678	836	972
11 506 mm	W	801	1015	670	779	887	994	1834	2041	2247	702	746	920	1069
12 552 mm	W	874	1108	731	850	967	1085	2000	2226	2452	766	814	1003	1166
13 598 mm	W	946	1200	792	920	1048	1175	2167	2412	2656	829	881	1087	1264
14 644 mm	W	1019	1292	853	991	1128	1266	2334	2597	2860	893	949	1170	1361
15 690 mm	W	1092	1385	914	1062	1209	1356	2501	2783	3065	957	1017	1254	1458
16 736 mm	W	1165	1477	974	1133	1290	1446	2667	2968	3269	1021	1085	1338	1555
17 782 mm	W	1238	1569	1035	1204	1370	1537	2834	3154	3473	1085	1153	1421	1652
18 828 mm	W	1310	1661	1096	1274	1451	1627	3001	3339	3677	1148	1220	1505	1750
19 874 mm	W	1383	1754	1157	1345	1531	1718	3167	3525	3882	1212	1288	1588	1847
20 920 mm	W	1456	1846	1218	1416	1612	1808	3334	3710	4086	1276	1356	1672	1944
21 966 mm	W	1529	1938	1279	1487	1693	1898	3501	3896	4290	1340	1424	1756	2041
22 1012 mm	W	1602	2031	1340	1558	1773	1989	3667	4081	4495	1404	1492	1839	2138
23 1058 mm	W	1674	2123	1401	1628	1854	2079	3834	4267	4699	1467	1559	1923	2236
24 1104 mm	W	1747	2215	1462	1699	1934	2170	4001	4452	4903	1531	1627	2006	2333
25 1150 mm	W	1820	2308	1523	1770	2015	2260	4168	4638	5108	1595	1695	2090	2430
26 1196 mm	W	1893	2400	1583	1841	2096	2350	4334	4823	5312	1659	1763	2174	2527
27 1242 mm	W	1966	2492	1644	1912	2176	2441	4501	5009	5516	1723	1831	2257	2624
28 1288 mm	W	2038	2584	1705	1982	2257	2531	4668	5194	5720	1786	1898	2341	2722
29 1344 mm	W	2111	2677	1766	2053	2337	2622	4834	5380	5925	1850	1966	2424	2819
30 1380 mm	W	2184	2769	1827	2124	2418	2712	5001	5565	6129	1914	2034	2508	2916
31 1426 mm	W	2257	2861	1888	2195	2499	2802	5168	5751	6333	1978	2102	2592	3013
32 1472 mm	W	2330	2954	1949	2266	2579	2893	5334	5936	6538	2042	2170	2675	3110
33 1518 mm	W	2402	3046	2010	2336	2660	2983	5501	6122	6742	2105	2237	2759	3208
34 1564 mm	W	2475	3138	2071	2407	2740	3074	5668	6307	6946	2169	2305	2842	3305
35 1610 mm	W	2548	3231	2132	2478	2821	3164	5835	6493	7151	2233	2373	2926	3402
36 1656 mm	W	2621	3323	2192	2549	2902	3254	6001	6678	7355	2297	2441	3010	3499
37 1702 mm	W	2694	3415	2253	2620	2982	3345	6168	6864	7559	2361	2509	3093	3596
38 1748 mm	W	2766	3507	2314	2690	3063	3435	6335	7049	7763	2424	2576	3177	3694
39 1794 mm	W	2839	3600	2375	2761	3143	3526	6501	7235	7968	2488	2644	3260	3791
40 1840 mm	W	2912	3692	2436	2832	3224	3616	6668	7420	8172	2552	2712	3344	3888

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nippling operation) with lock key smaller than 1 mt.
Each couple of batteries inclusive of 2 nipples and 2 seals. For batteries with more than 83 sections with lateral connection, see probes kit at page 539



ARDESIA®
4 COLUMNS
FOR REPLACEMENT

page 17

WARRANTY
5 YEARS

Functioning:	hot water

Maximun working pressure	10 bar
Testing conditions	13 bar

Maximum temperature	110°C
Minimum flow in % of the nominal flow rate:	18

Hub	1"
Section width	46 mm

MATERIAL:
• Pressed heads in carbon steel sheet.
• Welded carbon steel tube ø 25 mm.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled carton. User notice included.

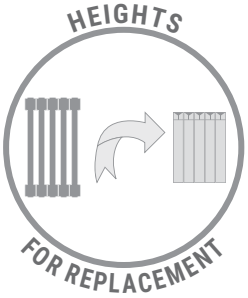
PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Standard white RAL 9010 - R01. Other colours see page 560.

CERTIFICATIONS

CE

EURONORM EN 442-1 RADIATORS AND CONVECTORS



HOW TO ORDER **ARDESIA® 4 COLUMNS**

ARTICLE NR. STRUCTURE

Model and nr COLUMNS	Elements nr.	Height in mm	Article code of the connection	Article code of the colour	Constant value
AAA	BB	CCCC	DDD	EEE	A

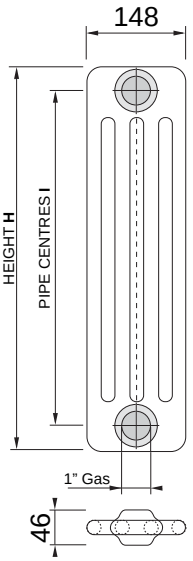
EXAMPLE

Model and nr COLUMNS E.g.: Ardesia® 4 COLUMNS	Numero elements E.g.: 18 elements	Height in mm Example: 876 mm	Article code of the connection Example: connection 2	Article code of the colour Example: H04 - Ice	Constant value
AR4	18	0876	002	H04	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AR4 ARDESIA® 4 COLUMNS
18 18 elements (see the table shown on the side)
0876 Height 876 mm (see the table shown on the side)
002 connection 2 (see page 254)
H04 colour H04-Ice (see page 560)
A (Constant value)
The article code will be:
AR4 18 0876 002 H04 A

TECHNICAL DATA PER SECTION

	CAST IRON		ALUMINIUM							LAMELLAR e PANEL			
Height H [mm]	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
Pipe Centres I [mm]	**620**	**820**	**500**	**600**	**700**	**800**	**1600**	**1800**	**2000**	**530**	**570**	**730**	**870**
(90/70/20°C) ΔT 60 = W	119,6	151	100,6	116,5	132,2	147,9	268	298,7	329,6	105,4	111,7	136,9	158,7
(75/65/20°C) ΔT 50 = W	**94**	**118**	**79,3**	**91,6**	**103,6**	**115,6**	**209,7**	**233,3**	**256,9**	**83**	**87,9**	**107,2**	**123,9**
(65/55/20°C) ΔT 40 = W	70	87,2	59,3	68,2	76,9	85,5	155,3	172,3	189,4	62	65,5	79,5	91,5
(55/45/20°C) ΔT 30 = W	47,8	59,1	40,7	46,6	52,4	58	105,5	116,7	127,8	42,5	44,9	54,1	61,9
Water Content [lt]	1,32	1,65	1,13	1,29	1,45	1,61	2,9	3,22	3,54	1,18	1,24	1,5	1,7
Dry Weight [kg]	2,05	2,61	1,71	1,99	2,28	2,56	4,81	5,4	5,96	1,79	1,91	2,37	2,6
Exp. [n]	1,324	1,355	1,305	1,32	1,336	1,352	1,346	1,356	1,366	1,309	1,316	1,341	1,358
Nominal flow rate [kg/h]	8,1	10,1	6,8	7,9	8,9	9,9	18	20,1	22,1	7,1	7,6	9,2	10,7
Radiation quote [%]	19	19	19	19	19	19	17	16	16	19	19	19	18
Surface [m²]	0,21	0,27	0,18	0,21	0,24	0,27	0,51	0,57	0,63	0,19	0,2	0,25	0,29



4 COLUMNS HEIGHTS FOR REPLACEMENT

ardesia

N° OF SECTIONS		CAST IRON		ALUMINIUM							LAMELLAR		PANEL	
WIDTH [mm]	H	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
	Pipe Centres	620	820	500	600	700	800	1600	1800	2000	530	570	730	870
3 138 mm	W	282	354	238	275	311	347	629	700	771	249	264	322	372
4 184 mm	W	376	472	317	366	414	462	839	933	1028	332	352	429	496
5 230 mm	W	470	590	397	458	518	578	1049	1167	1285	415	440	536	620
6 276 mm	W	564	708	476	550	622	694	1258	1400	1541	498	527	643	743
7 322 mm	W	658	826	555	641	725	809	1468	1633	1798	581	615	750	867
8 368 mm	W	752	944	634	733	829	925	1678	1866	2055	664	703	858	991
9 414 mm	W	846	1062	714	824	932	1040	1887	2100	2312	747	791	965	1115
10 460 mm	W	940	1180	793	916	1036	1156	2097	2333	2569	830	879	1072	1239
11 506 mm	W	1034	1298	872	1008	1140	1272	2307	2566	2826	913	967	1179	1363
12 552 mm	W	1128	1416	952	1099	1243	1387	2516	2800	3083	996	1055	1286	1487
13 598 mm	W	1222	1534	1031	1191	1347	1503	2726	3033	3340	1079	1143	1394	1611
14 644 mm	W	1316	1652	1110	1282	1450	1618	2936	3266	3597	1162	1231	1501	1735
15 690 mm	W	1410	1770	1190	1374	1554	1734	3146	3500	3854	1245	1319	1608	1859
16 736 mm	W	1504	1888	1269	1466	1658	1850	3355	3733	4110	1328	1406	1715	1982
17 782 mm	W	1598	2006	1348	1557	1761	1965	3565	3966	4367	1411	1494	1822	2106
18 828 mm	W	1692	2124	1427	1649	1865	2081	3775	4199	4624	1494	1582	1930	2230
19 874 mm	W	1786	2242	1507	1740	1968	2196	3984	4433	4881	1577	1670	2037	2354
20 920 mm	W	1880	2360	1586	1832	2072	2312	4194	4666	5138	1660	1758	2144	2478
21 966 mm	W	1974	2478	1665	1924	2176	2428	4404	4899	5395	1743	1846	2251	2602
22 1012 mm	W	2068	2596	1745	2015	2279	2543	4613	5133	5652	1826	1934	2358	2726
23 1058 mm	W	2162	2714	1824	2107	2383	2659	4823	5366	5909	1909	2022	2466	2850
24 1104 mm	W	2256	2832	1903	2198	2486	2774	5033	5599	6166	1992	2110	2573	2974
25 1150 mm	W	2350	2950	1983	2290	2590	2890	5243	5833	6423	2075	2198	2680	3098
26 1196 mm	W	2444	3068	2062	2382	2694	3006	5452	6066	6679	2158	2285	2787	3221
27 1242 mm	W	2538	3186	2141	2473	2797	3121	5662	6299	6936	2241	2373	2894	3345
28 1288 mm	W	2632	3304	2220	2565	2901	3237	5872	6532	7193	2324	2461	3002	3469
29 1344 mm	W	2726	3422	2300	2656	3004	3352	6081	6766	7450	2407	2549	3109	3593
30 1380 mm	W	2820	3540	2379	2748	3108	3468	6291	6999	7707	2490	2637	3216	3717
31 1426 mm	W	2914	3658	2458	2840	3212	3584	6501	7232	7964	2573	2725	3323	3841
32 1472 mm	W	3008	3776	2538	2931	3315	3699	6710	7466	8221	2656	2813	3430	3965
33 1518 mm	W	3102	3894	2617	3023	3419	3815	6920	7699	8478	2739	2901	3538	4089
34 1564 mm	W	3196	4012	2696	3114	3522	3930	7130	7932	8735	2822	2989	3645	4213
35 1610 mm	W	3290	4130	2776	3206	3626	4046	7340	8166	8992	2905	3077	3752	4337
36 1656 mm	W	3384	4248	2855	3298	3730	4162	7549	8399	9248	2988	3164	3859	4460
37 1702 mm	W	3478	4366	2934	3389	3833	4277	7759	8632	9505	3071	3252	3966	4584
38 1748 mm	W	3572	4484	3013	3481	3937	4393	7969	8865	9762	3154	3340	4074	4708
39 1794 mm	W	3666	4602	3093	3572	4040	4508	8178	9099	10019	3237	3428	4181	4832
40 1840 mm	W	3760	4720	3172	3664	4144	4624	8388	9332	10276	3320	3516	4288	4956

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nippling operation) with lock key smaller than 1 mt.
Each couple of batteries inclusive of 2 nipples and 2 seals. For batteries with more than 80 sections with lateral connection, see probes kit at page 539



ARDESIA®
5 COLUMNS
FOR REPLACEMENT

page 18

WARRANTY
5 YEARS

Functioning:	hot water

Maximun working pressure	10 bar
Testing conditions	13 bar

Maximum temperature	110°C
Minimum flow in % of the nominal flow rate:	18

Hub	1"
Section width	46 mm

MATERIAL:
• Pressed heads in carbon steel sheet.
• Welded carbon steel tube ø 25 mm.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled carton. User notice included.

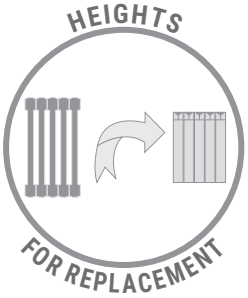
PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Standard white RAL 9010 - R01. Other colours see page 560.

CERTIFICATIONS

CE

EURONORM EN 442-1 RADIATORS AND CONVECTORS



HOW TO ORDER **ARDESIA® 5 COLUMNS**

ARTICLE NR. STRUCTURE

Model and nr COLUMNS	Elements nr.	Height in mm	Article code of the connection	Article code of the colour	Constant value
AAA	BB	CCCC	DDD	EEE	A

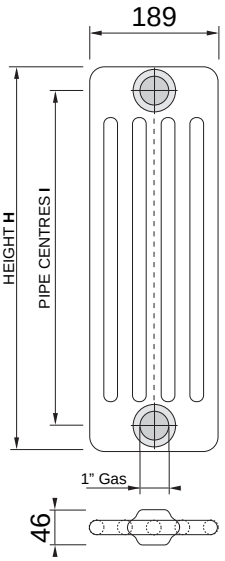
EXAMPLE

Model and nr COLUMNS E.g.: Ardesia® 5 COLUMNS	Numero elements E.g.: 22 elements	Height in mm Example: 556 mm	Article code of the connection Example: connection 2	Article code of the colour Example: F37 - Denim Blue	Constant value
AR5	22	0556	002	F37	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AR5 ARDESIA® 5 COLUMNS
22 22 elements (see the table shown on the side)
0556 Height 556 mm (see the table shown on the side)
002 connection 2 (see page 254)
F37 colour F37 - Denim Blue(see page 560)
A (Constant value)
The article code will be:
AR5 22 0556 002 F37 A

TECHNICAL DATA PER SECTION

	CAST IRON		ALUMINIUM							LAMELLAR e PANEL			
Height H [mm]	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
Pipe Centres I [mm]	**620**	**820**	**500**	**600**	**700**	**800**	**1600**	**1800**	**2000**	**530**	**570**	**730**	**870**
(90/70/20°C) ΔT 60 = W	145,3	182,5	122,5	141,5	160,3	178,8	324	358,3	392,4	128,3	135,9	165,9	191,7
(75/65/20°C) ΔT 50 = W	**114**	**143**	**96,2**	**111**	**125,7**	**140,1**	**251,9**	**279,3**	**306,7**	**100,7**	**106,6**	**130**	**150,1**
(65/55/20°C) ΔT 40 = W	84,7	106,1	71,5	82,5	93,3	103,9	185,1	205,9	226,9	74,8	79,2	96,5	111,3
(55/45/20°C) ΔT 30 = W	57,7	72,2	48,8	56,3	63,6	70,7	124,4	139	153,8	51,1	54	65,7	75,6
Water Content [lt]	1,65	2,05	1,41	1,61	1,81	2,01	3,62	4,02	4,42	1,47	1,55	1,87	2,13
Dry Weight [kg]	2,57	3,27	2,14	2,5	2,85	3,2	6,02	6,75	7,45	2,24	2,39	2,97	3,26
Exp. [n]	1,332	1,338	1,328	1,331	1,335	1,338	1,381	1,366	1,351	1,329	1,33	1,335	1,342
Nominal flow rate [kg/h]	9,8	12,3	8,3	9,5	10,8	12	21,7	24	26,4	8,7	9,2	11,2	12,9
Radiation quote [%]	18	17	18	18	18	17	15	15	14	18	18	17	17
Surface [m²]	0,27	0,34	0,22	0,26	0,3	0,33	0,64	0,71	0,79	0,23	0,25	0,31	0,36



5 COLUMNS HEIGHTS FOR REPLACEMENT

ardesia

N° OF SECTIONS		CAST IRON		ALUMINIUM							LAMELLAR		PANEL	
WIDTH [mm]	H	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
	Pipe Centres	620	820	500	600	700	800	1600	1800	2000	530	570	730	870
3 138 mm	W	342	429	289	333	377	420	756	838	920	302	320	390	450
4 184 mm	W	456	572	385	444	503	560	1008	1117	1227	403	426	520	600
5 230 mm	W	570	715	481	555	629	701	1260	1397	1534	504	533	650	751
6 276 mm	W	684	858	577	666	754	841	1511	1676	1840	604	640	780	901
7 322 mm	W	798	1001	673	777	880	981	1763	1955	2147	705	746	910	1051
8 368 mm	W	912	1144	770	888	1006	1121	2015	2234	2454	806	853	1040	1201
9 414 mm	W	1026	1287	866	999	1131	1261	2267	2514	2760	906	959	1170	1351
10 460 mm	W	1140	1430	962	1110	1257	1401	2519	2793	3067	1007	1066	1300	1501
11 506 mm	W	1254	1573	1058	1221	1383	1541	2771	3072	3374	1108	1173	1430	1651
12 552 mm	W	1368	1716	1154	1332	1508	1681	3023	3352	3680	1208	1279	1560	1801
13 598 mm	W	1482	1859	1251	1443	1634	1821	3275	3631	3987	1309	1386	1690	1951
14 644 mm	W	1596	2002	1347	1554	1760	1961	3527	3910	4294	1410	1492	1820	2101
15 690 mm	W	1710	2145	1443	1665	1886	2102	3779	4190	4601	1511	1599	1950	2252
16 736 mm	W	1824	2288	1539	1776	2011	2242	4030	4469	4907	1611	1706	2080	2402
17 782 mm	W	1938	2431	1635	1887	2137	2382	4282	4748	5214	1712	1812	2210	2552
18 828 mm	W	2052	2574	1732	1998	2263	2522	4534	5027	5521	1813	1919	2340	2702
19 874 mm	W	2166	2717	1828	2109	2388	2662	4786	5307	5827	1913	2025	2470	2852
20 920 mm	W	2280	2860	1924	2220	2514	2802	5038	5586	6134	2014	2132	2600	3002
21 966 mm	W	2394	3003	2020	2331	2640	2942	5290	5865	6441	2115	2239	2730	3152
22 1012 mm	W	2508	3146	2116	2442	2765	3082	5542	6145	6747	2215	2345	2860	3302
23 1058 mm	W	2622	3289	2213	2553	2891	3222	5794	6424	7054	2316	2452	2990	3452
24 1104 mm	W	2736	3432	2309	2664	3017	3362	6046	6703	7361	2417	2558	3120	3602
25 1150 mm	W	2850	3575	2405	2775	3143	3503	6298	6983	7668	2518	2665	3250	3753
26 1196 mm	W	2964	3718	2501	2886	3268	3643	6549	7262	7974	2618	2772	3380	3903
27 1242 mm	W	3078	3861	2597	2997	3394	3783	6801	7541	8281	2719	2878	3510	4053
28 1288 mm	W	3192	4004	2694	3108	3520	3923	7053	7820	8588	2820	2985	3640	4203
29 1344 mm	W	3306	4147	2790	3219	3645	4063	7305	8100	8894	2920	3091	3770	4353
30 1380 mm	W	3420	4290	2886	3330	3771	4203	7557	8379	9201	3021	3198	3900	4503
31 1426 mm	W	3534	4433	2982	3441	3897	4343	7809	8658	9508	3122	3305	4030	4653
32 1472 mm	W	3648	4576	3078	3552	4022	4483	8061	8938	9814	3222	3411	4160	4803
33 1518 mm	W	3762	4719	3175	3663	4148	4623	8313	9217	10121	3323	3518	4290	4953
34 1564 mm	W	3876	4862	3271	3774	4274	4763	8565	9496	10428	3424	3624	4420	5103
35 1610 mm	W	3990	5005	3367	3885	4400	4904	8817	9776	10735	3525	3731	4550	5254
36 1656 mm	W	4104	5148	3463	3996	4525	5044	9068	10055	11041	3625	3838	4680	5404
37 1702 mm	W	4218	5291	3559	4107	4651	5184	9320	10334	11348	3726	3944	4810	5554
38 1748 mm	W	4332	5434	3656	4218	4777	5324	9572	10613	11655	3827	4051	4940	5704
39 1794 mm	W	4446	5577	3752	4329	4902	5464	9824	10893	11961	3927	4157	5070	5854
40 1840 mm	W	4560	5720	3848	4440	5028	5604	10076	11172	12268	4028	4264	5200	6004

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nippling operation) with lock key smaller than 1 mt.
Each couple of batteries inclusive of 2 nipples and 2 seals. For batteries with more than 70 sections with lateral connection, see probes kit at page 539



ARDESIA®
6 COLUMNS
FOR REPLACEMENT

page 20

WARRANTY
5 YEARS

Functioning:	hot water

Maximun working pressure	10 bar
Testing conditions	13 bar

Maximum temperature	110°C
Minimum flow in % of the nominal flow rate:	18

Hub	1"
Section width	46 mm

MATERIAL:
• Pressed heads in carbon steel sheet.
• Welded carbon steel tube ø 25 mm.

PACKAGING:
The radiator is protected by a recycled film in polyethylene and with a box in recycled carton. User notice included.

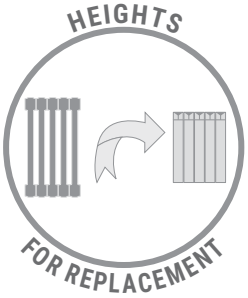
PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Standard white RAL 9010 - R01. Other colours see page 560.

CERTIFICATIONS

CE

EURONORM EN 442-1 RADIATORS AND CONVECTORS



HOW TO ORDER **ARDESIA® 6 COLUMNS**

ARTICLE NR. STRUCTURE

Model and nr COLUMNS	Elements nr.	Height in mm	Article code of the connection	Article code of the colour	Constant value
AAA	BB	CCCC	DDD	EEE	A

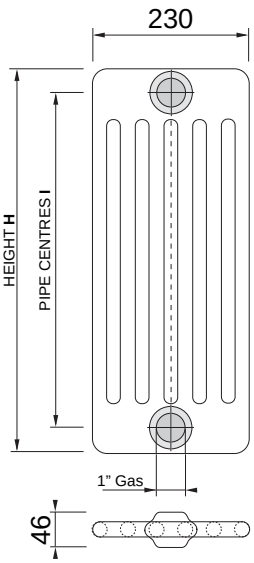
EXAMPLE

Model and nr COLUMNS E.g.: Ardesia® 6 COLUMNS	Numero elements E.g.: 18 elements	Height in mm Example: 676 mm	Article code of the connection Example: connection 2	Article code of the colour Example: F36 - Terra	Constant value
AR6	18	0676	002	F36	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AR6 ARDESIA® 6 COLUMNS
18 18 elements (see the table shown on the side)
0676 Height 676 mm (see the table shown on the side)
002 connection 2 (see page 254)
F36 colour F36 - Terra (see page 560)
A (Constant value)
The article code will be:
AR6 18 0676 002 F36 A

TECHNICAL DATA PER SECTION

	CAST IRON		ALUMINIUM							LAMELLAR e PANEL			
Height H [mm]	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
Pipe Centres I [mm]	**620**	**820**	**500**	**600**	**700**	**800**	**1600**	**1800**	**2000**	**530**	**570**	**730**	**870**
(90/70/20°C) ΔT 60 = W	174,6	217,4	147,6	170,2	192	213,2	378	413	446,4	154,5	163,5	198,4	228,1
(75/65/20°C) ΔT 50 = W	**138**	**172,4**	**116,5**	**134,5**	**152**	**169**	**292,5**	**320,4**	**347,2**	**121,9**	**129,1**	**157,1**	**180,7**
(65/55/20°C) ΔT 40 = W	103,5	129,7	87,1	100,8	114,1	127,2	213,7	234,8	255,3	91,3	96,7	118,1	135,9
(55/45/20°C) ΔT 30 = W	71,4	90	60	69,5	78,9	88,1	142,6	157,3	171,8	62,8	66,7	81,7	94,1
Water Content [lt]	2	2,5	1,7	1,9	2,2	2,4	4,36	4,84	5,29	1,77	1,85	2,25	2,56
Dry Weight [kg]	3,09	3,93	2,58	3	3,42	3,85	7,23	8,11	8,95	2,7	2,87	3,56	3,92
Exp. [n]	1,29	1,273	1,3	1,292	1,283	1,275	1,407	1,392	1,378	1,298	1,294	1,281	1,277
Nominal flow rate [kg/h]	11,9	14,8	10	11,6	13,1	14,5	25,2	27,6	29,9	10,5	11,1	13,5	15,5
Radiation quote [%]	18	17	18	18	17	17	15	14	13	18	18	17	17
Surface [m²]	0,32	0,41	0,27	0,31	0,36	0,4	0,76	0,85	0,94	0,28	0,3	0,37	0,43



6 COLUMNS HEIGHTS FOR REPLACEMENT

ardesia

N° OF SECTIONS		CAST IRON		ALUMINIUM							LAMELLAR		PANEL	
WIDTH [mm]	H	676	876	556	656	756	856	1656	1856	2056	586	626	786	926
	Pipe Centres	620	820	500	600	700	800	1600	1800	2000	530	570	730	870
3 138 mm	W	414	517	350	404	456	507	878	961	1042	366	471	387	542
4 184 mm	W	552	690	466	538	608	676	1170	1282	1389	488	628	516	723
5 230 mm	W	690	862	583	673	760	845	1463	1602	1736	610	786	646	904
6 276 mm	W	828	1034	699	807	912	1014	1755	1922	2083	731	943	775	1084
7 322 mm	W	966	1207	816	942	1064	1183	2048	2243	2430	853	1100	904	1265
8 368 mm	W	1104	1379	932	1076	1216	1352	2340	2563	2778	975	1257	1033	1446
9 414 mm	W	1242	1552	1049	1211	1368	1521	2633	2884	3125	1097	1414	1162	1626
10 460 mm	W	1380	1724	1165	1345	1520	1690	2925	3204	3472	1219	1571	1291	1807
11 506 mm	W	1518	1896	1282	1480	1672	1859	3218	3524	3819	1341	1728	1420	1988
12 552 mm	W	1656	2069	1398	1614	1824	2028	3510	3845	4166	1463	1885	1549	2168
13 598 mm	W	1794	2241	1515	1749	1976	2197	3803	4165	4514	1585	2042	1678	2349
14 644 mm	W	1932	2414	1631	1883	2128	2366	4095	4486	4861	1707	2199	1807	2530
15 690 mm	W	2070	2586	1748	2018	2280	2535	4388	4806	5208	1829	2357	1937	2711
16 736 mm	W	2208	2758	1864	2152	2432	2704	4680	5126	5555	1950	2514	2066	2891
17 782 mm	W	2346	2931	1981	2287	2584	2873	4973	5447	5902	2072	2671	2195	3072
18 828 mm	W	2484	3103	2097	2421	2736	3042	5265	5767	6250	2194	2828	2324	3253
19 874 mm	W	2622	3276	2214	2556	2888	3211	5558	6088	6597	2316	2985	2453	3433
20 920 mm	W	2760	3448	2330	2690	3040	3380	5850	6408	6944	2438	3142	2582	3614
21 966 mm	W	2898	3620	2447	2825	3192	3549	6143	6728	7291	2560	3299	2711	3795
22 1012 mm	W	3036	3793	2563	2959	3344	3718	6435	7049	7638	2682	3456	2840	3975
23 1058 mm	W	3174	3965	2680	3094	3496	3887	6728	7369	7986	2804	3613	2969	4156
24 1104 mm	W	3312	4138	2796	3228	3648	4056	7020	7690	8333	2926	3770	3098	4337
25 1150 mm	W	3450	4310	2913	3363	3800	4225	7313	8010	8680	3048	3928	3228	4518
26 1196 mm	W	3588	4482	3029	3497	3952	4394	7605	8330	9027	3169	4085	3357	4698
27 1242 mm	W	3726	4655	3146	3632	4104	4563	7898	8651	9374	3291	4242	3486	4879
28 1288 mm	W	3864	4827	3262	3766	4256	4732	8190	8971	9722	3413	4399	3615	5060
29 1344 mm	W	4002	5000	3379	3901	4408	4901	8483	9292	10069	3535	4556	3744	5240
30 1380 mm	W	4140	5172	3495	4035	4560	5070	8775	9612	10416	3657	4713	3873	5421
31 1426 mm	W	4278	5344	3612	4170	4712	5239	9068	9932	10763	3779	4870	4002	5602
32 1472 mm	W	4416	5517	3728	4304	4864	5408	9360	10253	11110	3901	5027	4131	5782
33 1518 mm	W	4554	5689	3845	4439	5016	5577	9653	10573	11458	4023	5184	4260	5963
34 1564 mm	W	4692	5862	3961	4573	5168	5746	9945	10894	11805	4145	5341	4389	6144
35 1610 mm	W	4830	6034	4078	4708	5320	5915	10238	11214	12152	4267	5499	4519	6325
36 1656 mm	W	4968	6206	4194	4842	5472	6084	10530	11534	12499	4388	5656	4648	6505
37 1702 mm	W	5106	6379	4311	4977	5624	6253	10823	11855	12846	4510	5813	4777	6686
38 1748 mm	W	5244	6551	4427	5111	5776	6422	11115	12175	13194	4632	5970	4906	6867
39 1794 mm	W	5382	6724	4544	5246	5928	6591	11408	12496	13541	4754	6127	5035	7047
40 1840 mm	W	5520	6896	4660	5380	6080	6760	11700	12816	13888	4876	6284	5164	7228

Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nippling operation) with lock key smaller than 1 mt.
Each couple of batteries inclusive of 2 nipples and 2 seals. For batteries with more than 55 sections with lateral connection, see probes kit at page 539



ROSY TANDEM VERTICAL

page 162

EUROPEAN WARRANTY

Radiators, convectors and ceiling-mounted radiant panels, hot water heating, fan assisted and mixed

MATERIAL:
- Horizontal collectors in painted mild steel ø 38 mm.
- Double vertical heating elements in painted mild steel 50 x 10 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

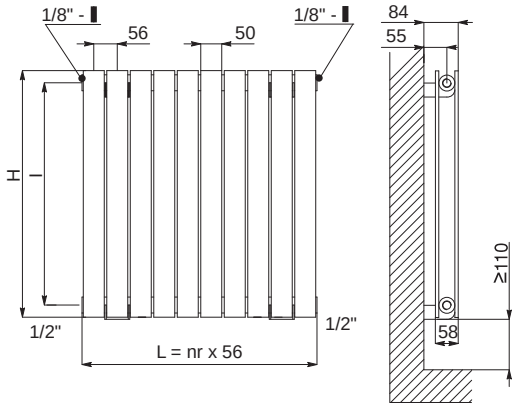
COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

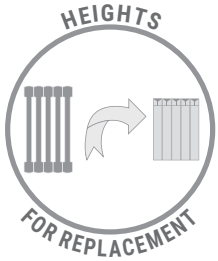
ACCESSORIES
See page 528

P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

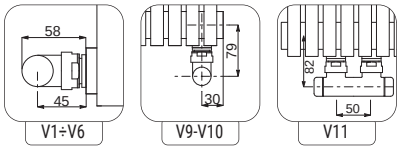
Height H [mm]	558	658	858	958
Therm. output per el. Δt = 50 °C [Watt]	60,3	69,5	87,4	96,1
Therm. output per el. Δt = 30 °C [Watt]	30,4	35,0	44,0	48,4
Dry Weight per section [kg]	1,334	1,551	1,986	2,203
Element Water content [lt]	0,515	0,587	0,732	0,805
Element surface [m²]	0,147	0,171	0,219	0,243
Exp. **n**	1,3425	1,3422	1,3415	1,3412
Pipe Centres I [mm] (V3-V4 only)	500	600	800	900

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

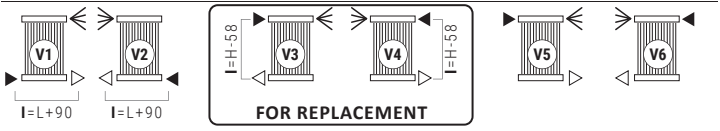




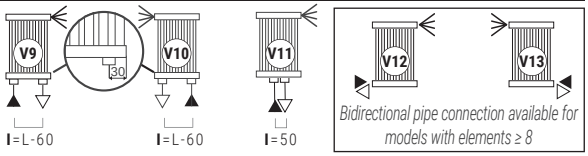
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.

HOW TO ORDER THE RADIATOR **ROSY TANDEM VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Rosy tandem vert.	Numero elements E.g.: 12 elements	Height in cm Example: 558 mm	Article code of the connection Example: connection V3	Article code of the colour Example: R01 - White	Constant value
	RT50	12	055	V03	R01	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
RT50 ROSY TANDEM VERTICAL
12 12 elements (see the table shown on the side)
055 Height 558 mm (see the table shown on the side)
V03 connection V3
R01 colour R01-White (see page 560)
A (Constant value)
The article code will be:
RT50 12 055 V03 R01 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square with thermostatic option White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square pipe centres 50 mm with thermostatic option-White R01

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ROSY TANDEM VERTICAL

Height H [mm]		**558**	**658**	**858**	**958**
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
224	4	241	278	350	384
280	5	301	348	437	480
336	6	362	417	524	577
392	7	422	487	612	673
448	8	482	556	699	769
504	9	543	626	787	865
560	10	603	695	874	961
616	11	663	765	961	1057
672	12	724	834	1049	1153
728	13	784	904	1136	1249
784	14	844	973	1224	1345
840	15	904	1043	1311	1441
896	16	965	1112	1398	1537
952	17	1025	1182	1486	1633
1008	18	1085	1251	1573	1730



ROSY MAX

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EUROPEAN WARRANTY

MATERIAL:
- Horizontal collectors in painted mild steel ø 38 mm.
- Double vertical heating elements in painted mild steel 50 x 10 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

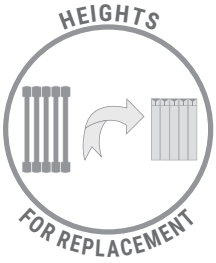
COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

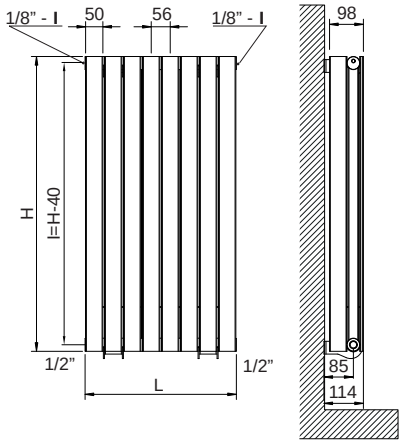
ACCESSORIES
See page 528

P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

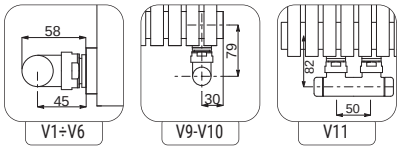
Height H [mm]	390	540	640	840	940
Therm. output per el. Δt = 50 °C [Watt]	69,5	88,7	101,5	130,6	139,9
Therm. output per el. Δt = 30 °C [Watt]	36,2	46,2	52,9	68,1	73,0
Dry Weight per section [kg]	1,393	1,882	2,207	2,859	3,185
Element Water content [lt]	0,535	0,698	0,806	1,023	1,132
Element surface [m²]	0,154	0,208	0,244	0,316	0,352
Exp. **n**	1,2762	1,2754	1,275	1,2746	1,2742
Pipe Centres I [mm] (V3-V4 only)	350	500	600	800	900

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

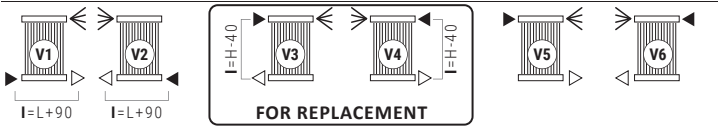




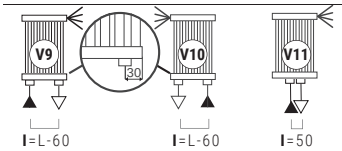
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ROSY MAX**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Rosy MAX	Numero elements E.g.: 12 elements	Height in cm Example: 540 mm	Article code of the connection Example: connection V3	Article code of the colour Example: R01 - White	Constant value
	RX50	12	054	V03	R01	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
RX50 ROSY MAX
12 12 elements (see the table shown on the side)
054 Height 540 mm (see the table shown on the side)
V03 connection V3
R01 colour R01-White (see page 560)
A (Constant value)
The article code will be:
RX50 12 054 V03 R01 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
pipe centres 50 mm with
thermostatic option-White R01

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ROSY MAX

Height H [mm]		390	540	640	840	940
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
274	5	348	444	508	653	700
330	6	417	532	609	784	839
386	7	487	621	711	914	979
442	8	556	710	812	1045	1119
498	9	626	798	914	1175	1259
554	10	695	887	1015	1306	1399
610	11	765	976	1117	1437	1539
666	12	834	1064	1218	1567	1679
722	13	904	1153	1320	1698	1819
778	14	973	1242	1421	1828	1959
834	15	1043	1331	1523	1959	2099
890	16	1112	1419	1624	2090	2238
946	17	1182	1508	1726	2220	2378
1002	18	1251	1597	1827	2351	2518
1058	19	1321	1685	1929	2481	2658
1114	20	1390	1774	2030	2612	2798
1170	21	1460	1863	2132	2743	2938
1226	22	1529	1951	2233	2873	3078
1282	23	1599	2040	2335	3004	3218
1338	24	1668	2129	2436	3134	3358
1394	25	1738	2218	2538		
1450	26	1807	2306	2639		
1506	27	1877	2395	2741		
1562	28	1946	2484	2842		
1618	29	2016	2572	2944		
1674	30	2085	2661	3045		
1730	31	2155	2750	3147		
1786	32	2224	2838	3248		



KEIRA VERTICAL

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EUROPEAN WARRANTY

MATERIAL:
• Horizontal collectors in painted mild steel ø 38 mm.
• Vertical heating elements in painted mild steel 10x50 mm.
FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

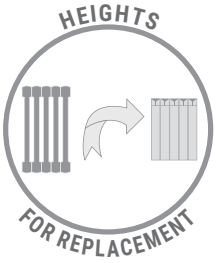
PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.
PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

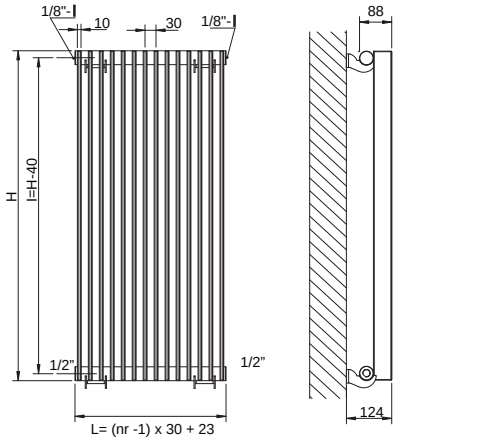
COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.
ACCESSORIES
See page 528

P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

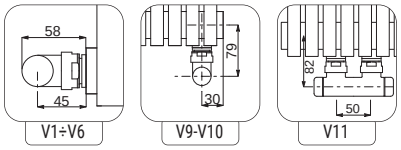
Height H [mm]	538	638	738	838	938
Therm. output per el. Δt = 50 °C [Watt]	31,1	35,8	40,5	45,2	49,9
Therm. output per el. Δt = 30 °C [Watt]	16,6	19,1	21,5	24,0	26,3
Dry Weight per section [kg]	0,652	0,761	0,869	0,978	1,086
Element Water content [lt]	0,255	0,291	0,327	0,364	0,400
Element surface [m²]	0,072	0,084	0,096	0,108	0,120
Exp. **n**	1,2273	1,232	1,2367	1,2414	1,2557
Pipe Centres I [mm] (V3-V4 only)	500	600	700	800	900

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

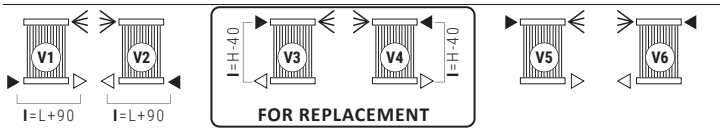




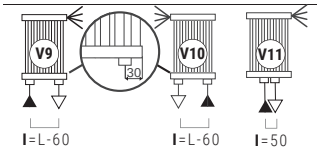
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **KEIRA VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Keira vertical	Numero elements E.g.: 24 elements	Height in cm Example: 640 mm	Article code of the connection Example: connection V3	Article code of the colour Example: S16 - Canary	Constant value
	KE10	24	064	V03	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
KE10 KEIRA VERTICAL
24 24 elements (see the table shown on the side)
064 Height 640 mm (see the table shown on the side)
V03 connection V3
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
KE10 24 064 V03 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
pipe centres 50 mm with
thermostatic option-White R01

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

KEIRA VERTICAL

All intermediate sizes are available for widths from 9 to 48 elements and heights from 540 to 940 mm

Height H [mm]		538	638	738	838	938
Height H [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
263	9	280	322	365	407	449
293	10	311	358	405	452	499
323	11	342	394	446	497	549
353	12	373	430	486	542	599
383	13	404	465	527	588	649
413	14	435	501	567	633	699
443	15	467	537	608	678	749
473	16	498	573	648	723	799
503	17	529	609	689	768	849
533	18	560	644	729	814	898
563	19	591	680	770	859	948
593	20	622	716	810	904	998
623	21	653	752	851	949	1048
653	22	684	788	891	994	1098
683	23	715	823	932	1040	1148
713	24	746	859	972	1085	1198
743	25	778	895	1013	1130	1248
773	26	809	931	1053	1175	1298
803	27	840	967	1094	1220	1348
833	28	871	1002	1134	1266	1398
863	29	902	1038	1175	1311	1447
893	30	933	1074	1215	1356	1497
923	31	964	1110	1256	1401	1547
953	32	995	1146	1296	1446	1597
983	33	1026	1181	1337	1492	1647
1013	34	1057	1217	1377	1537	1697
1043	35	1089	1253	1418	1582	1747
1073	36	1120	1289	1458	1627	1797
1103	37	1151	1325	1499	1672	1847
1133	38	1182	1360	1539	1718	1897
1163	39	1213	1396	1580	1763	1947
1193	40	1244	1432	1620	1808	1997
1223	41	1275	1468	1661	1853	2046
1253	42	1306	1504	1701	1898	
1283	43	1337	1539	1742		
1313	44	1368	1575	1782		
1373	46	1431	1647			
1433	48	1493				



KEIRA TANDEM VERTICAL

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EUROPEAN WARRANTY

MATERIAL:
- Horizontal collectors in painted mild steel ø 38 mm.
- Double vertical heating elements in painted mild steel rettangolari 10 x 50 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

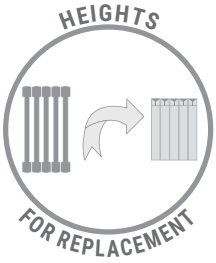
COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

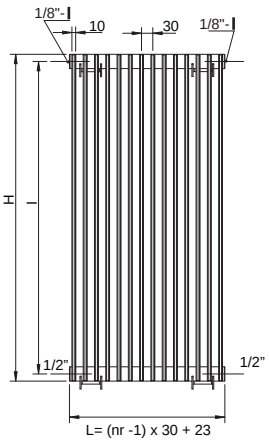
ACCESSORIES
See page 528

P. Max: 5 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

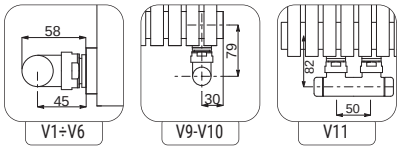
Height H [mm]	538	638	738	838	938
Therm. output per el. Δt = 50 °C [Watt]	52,7	60,6	68,4	76,1	83,8
Therm. output per el. Δt = 30 °C [Watt]	27,5	31,6	35,7	39,7	43,4
Dry Weight per section [kg]	1,238	1,456	1,673	1,890	2,107
Element Water content [lt]	0,45	0,523	0,595	0,667	0,740
Element surface [m²]	0,137	0,161	0,185	0,209	0,233
Exp. **n**	1,2736	1,2732	1,2728	1,2724	1,2893
Pipe Centres I [mm] (V3-V4 only)	500	600	700	800	900

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

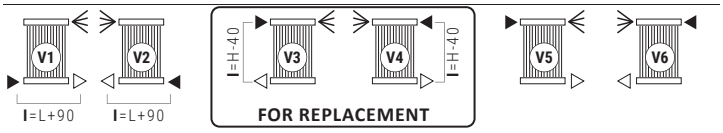




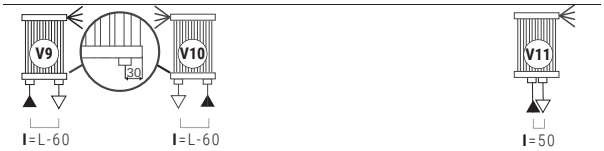
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **KEIRA TANDEM VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Keira tandem vertical	Numero elements E.g.: 24 elements	Height in cm Example: 740 mm	Article code of the connection Example: connection V3	Article code of the colour Example: S16 - Canary	Constant value
	KT10	24	074	V03	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
KT10 KEIRA TANDEM VERTICAL
24 24 elements (see the table shown on the side)
074 Height 740 mm (see the table shown on the side)
V03 connection V3
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
KT10 24 074 V03 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
pipe centres 50 mm with
thermostatic option-White R01

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

KEIRA TANDEM VERTICAL

All intermediate sizes are available for widths from 9 to 48 elements and heights from 540 to 940 mm

Height H [mm]		**538**	**638**	**738**	**838**	**938**
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
263	9	474	545	616	685	754
293	10	527	606	684	761	838
323	11	580	667	752	837	922
353	12	632	727	821	913	1006
383	13	685	788	889	989	1089
413	14	738	848	958	1065	1173
443	15	791	909	1026	1142	1257
473	16	843	970	1094	1218	1341
503	17	896	1030	1163	1294	1424
533	18	949	1091	1231	1370	1508
563	19	1001	1151	1300	1446	1592
593	20	1054	1212	1368	1522	1676
623	21	1107	1273	1436	1598	1760
653	22	1159	1333	1505	1674	1843
683	23	1212	1394	1573	1750	1927
713	24	1265	1454	1642	1826	2011
743	25	1318	1515	1710	1903	2095
773	26	1370	1576	1778	1979	2179
803	27	1423	1636	1847	2055	2262
833	28	1476	1697	1915	2131	2346
863	29	1528	1757	1984	2207	2430
893	30	1581	1818	2052	2283	2514
923	31	1634	1879	2120	2359	2598
953	32	1686	1939	2189	2435	2681
983	33	1739	2000	2257	2511	2765
1013	34	1792	2060	2326	2587	2849
1043	35	1845	2121	2394	2664	2933
1073	36	1897	2182	2462	2740	3017
1103	37	1950	2242	2531	2816	3100
1133	38	2003	2303	2599	2892	3184
1163	39	2055	2363	2668	2968	3268
1193	40	2108	2424	2736	3044	3352
1223	41	2161	2485	2804	3120	
1253	42	2213	2545	2873	3196	
1283	43	2266	2606	2941		
1313	44	2319	2666			
1373	46	2424	2788			
1433	48	2530				



KARIN VX TANDEM VERTICAL

page 186

EUROPEAN WARRANTY

MATERIAL:
- Horizontal collectors in painted mild steel ø 30 mm.
- Double vertical heating elements in painted mild steel, rettangolari 15x20 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

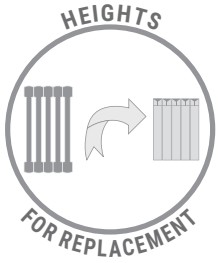
COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

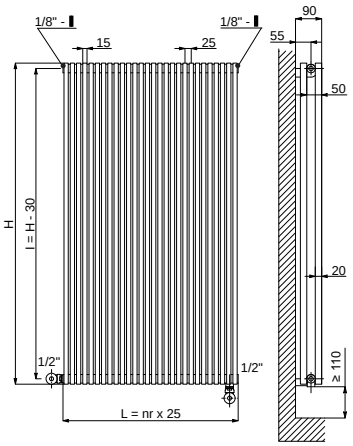
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

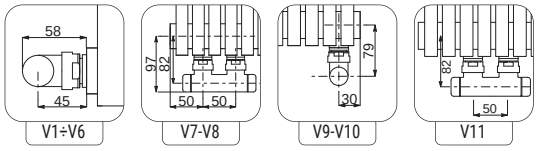
Height H [mm]	530	630	830	930
Therm. output per el. Δt = 50 °C [Watt]	34,4	40	50,6	55,7
Therm. output per el. Δt = 50 °C [Watt]	17,7	20,5	25,8	28,4
Dry Weight per section [kg]	0,646	0,758	0,982	1,094
Element Water content [lt]	0,264	0,308	0,397	0,441
Element surface [m²]	0,079	0,093	0,121	0,135
Exp. **n**	1,3018	1,3104	1,3185	1,3209
Pipe Centres I [mm] (V3-V4 only)	500	600	800	900

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

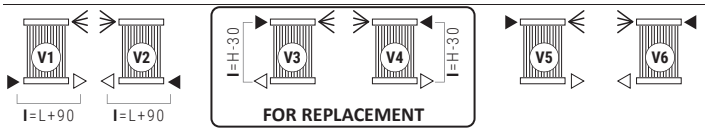




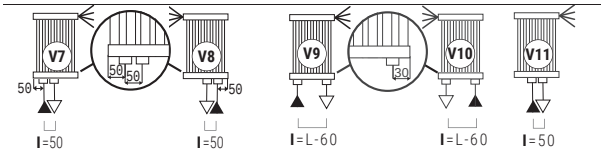
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋖ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **KARIN VX TANDEM VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Karin VX tandem vertical	Numero elements E.g.: 24 elements	Height in cm Example: 630 mm	Article code of the connection Example: connection V3	Article code of the colour Example: S16 - Canary	Constant value
	KT15	24	063	V03	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
KT15 KARIN VX TANDEM VERTICAL
24 24 elements (see the table shown on the side)
063 Height 630 mm (see the table shown on the side)
V03 connection V3
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
KT15 24 063 V03 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
pipe centres 50 mm with
thermostatic option-White R01

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

KARIN VX TANDEM VERTICAL

All intermediate sizes are available for widths from 8 to 72 elements and heights from 530 to 930 mm

Height H [mm]		530	630	830	930
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
200	8	275	320	405	445
250	10	344	400	506	557
300	12	413	479	607	668
350	14	481	559	708	779
400	16	550	639	809	890
450	18	619	719	910	1002
500	20	688	799	1012	1113
550	22	757	879	1113	1224
600	24	825	959	1214	1336
650	26	894	1039	1315	1447
700	28	963	1119	1416	1558
750	30	1032	1199	1517	1670
800	32	1100	1279	1618	1781
850	34	1169	1359	1720	1892
900	36	1238	1438	1821	2004
950	38	1307	1518	1922	2115
1000	40	1376	1598	2023	2226
1050	42	1444	1678	2124	2337
1100	44	1513	1758	2225	2449
1150	46	1582	1838	2326	2560
1200	48	1651	1918	2428	2671
1250	50	1719	1998	2529	2783
1300	52	1788	2078	2630	2894
1350	54	1857	2158	2731	3005
1400	56	1926	2238	2832	3117
1450	58	1995	2317	2933	3228
1500	60	2063	2397	3035	3339
1550	62	2132	2477	3136	3451
1600	64	2201	2557	3237	3562
1650	66	2270	2637	3338	3673
1700	68	2338	2717	3439	3784
1750	70	2407	2797	3540	3896
1800	72	2476	2877	3641	4007



ALICE 18 TANDEM VERTICAL

page 196

EUROPEAN WARRANTY

Radiators, convectors and ceiling-mounted radiant panels, hot water heating, fan assisted and mixed

MATERIAL:
- Horizontal collectors in painted mild steel ø 38 mm.
- Double vertical heating elements in painted mild steel ø 18 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

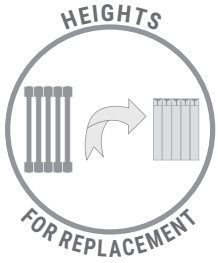
COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

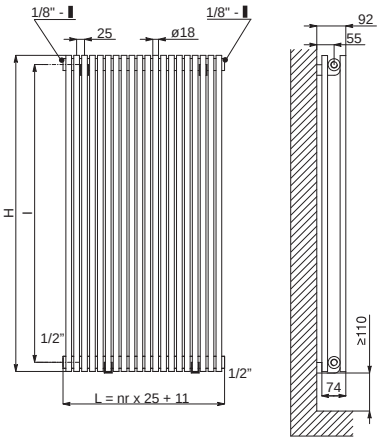
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

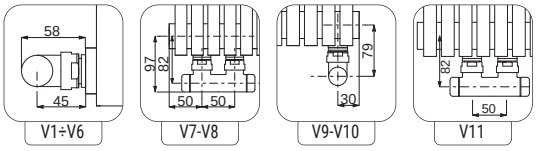
Height H [mm]	558	658	858	958
Therm. output per el. Δt = 50 °C [Watt]	33,4	38,4	48,2	52,9
Therm. output per el. Δt = 30 °C [Watt]	16,8	19,4	24,3	26,7
Dry Weight per section [kg]	0,610	0,709	0,908	1,008
Element Water content [lt]	0,263	0,301	0,378	0,416
Element surface [m²]	0,069	0,080	0,103	0,114
Exp. **n**	1,3426	1,3419	1,3416	1,3419
Pipe Centres I [mm] (V3-V4 only)	500	600	800	900

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

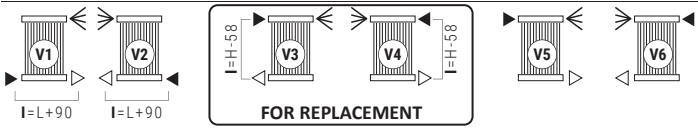




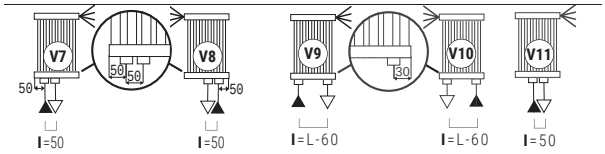
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ALICE 18 TANDEM VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Alice 18 tandem vertical	Numero elements E.g.: 24 elements	Height in cm Example: 558 mm	Article code of the connection Example: connection V3	Article code of the colour Example: S16 - Canary	Constant value
	AT18	24	055	V03	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AT18 ALICE 18 TANDEM VERTICAL
24 24 elements (see the table shown on the side)
055 Height 558 mm (see the table shown on the side)
V03 connection V3
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
AT18 24 055 V03 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
pipe centres 50 mm with
thermostatic option-White R01

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ALICE 18 TANDEM VERTICAL

Height H [mm]		**558**	**658**	**858**	**958**
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
136	5	167	192	241	265
161	6	200	230	289	317
186	7	234	269	337	370
211	8	267	307	386	423
236	9	301	346	434	476
261	10	334	384	482	529
286	11	367	422	530	582
311	12	401	461	578	635
336	13	434	499	627	688
361	14	468	538	675	741
386	15	501	576	723	794
411	16	534	614	771	846
436	17	568	653	819	899
461	18	601	691	868	952
486	19	635	730	916	1005
511	20	668	768	964	1058
536	21	701	806	1012	1111
561	22	735	845	1060	1164
586	23	768	883	1109	1217
611	24	802	922	1157	1270
636	25	835	960	1205	1323
661	26	868	998	1253	1375
686	27	902	1037	1301	1428
711	28	935	1075	1350	1481
736	29	969	1114	1398	1534
761	30	1002	1152	1446	1587
786	31	1035	1190	1494	1640
811	32	1069	1229	1542	1693
836	33	1102	1267	1591	1746
861	34	1136	1306	1639	1799
886	35	1169	1344	1687	1852
911	36	1202	1382	1735	1904
936	37	1236	1421	1783	1957
961	38	1269	1459	1832	2010
986	39	1303	1498	1880	2063
1011	40	1336	1536	1928	2116



ALICE 22 TANDEM VERTICAL

page 206

EUROPEAN WARRANTY

NEW

MATERIAL:
• Horizontal collectors in painted mild steel ø 30 mm.
• Double vertical heating elements in painted mild steel ø 22 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.Ù

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

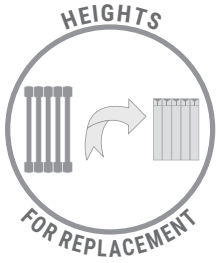
COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

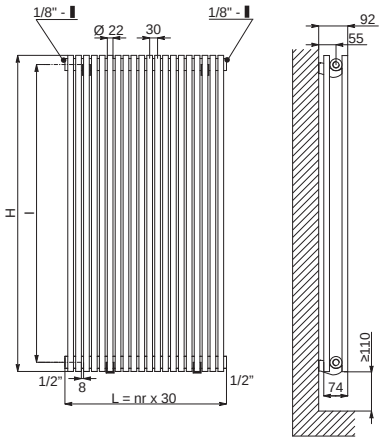
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

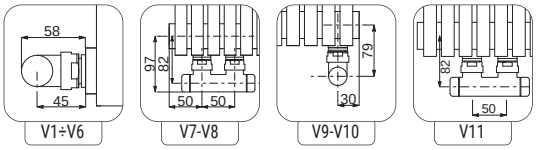
Height H [mm]	530	630	830	930
Therm. output per el. Δt = 50 °C [Watt]	37,5	43,4	54,7	60,2
Therm. output per el. Δt = 30 °C [Watt]	19,4	22,4	28,2	30,9
Dry Weight per section [kg]	0,61	0,72	0,92	1,03
Element Water content [lt]	0,367	0,43	0,556	0,619
Element surface [m²]	0,079	0,093	0,12	0,134
Exp. **n**	1,2886	1,2928	1,3012	1,3040
Pipe Centres I [mm] (V3-V4 only)	500	600	800	900

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

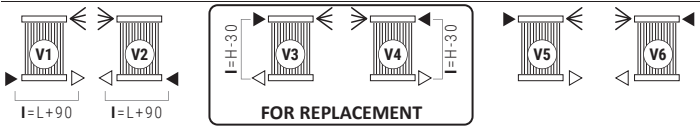




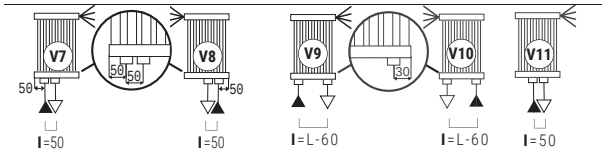
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ALICE 22 TANDEM VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Alice 22 tandem vertical	Numero elements E.g.: 24 elements	Height in cm Example: 830 mm	Article code of the connection Example: connection V3	Article code of the colour Example: S16 - Canary	Constant value
	AT22	24	083	V03	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AT22 ALICE 22 TANDEM VERTICAL
24 24 elements (see the table shown on the side)
083 Height 830 mm (see the table shown on the side)
V03 connection V3
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
AT22 24 083 V03 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
pipe centres 50 mm with
thermostatic option-White R01

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ALICE 22 TANDEM VERTICAL

Height H [mm]		530	630	830	930
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
150	5	188	217	274	301
180	6	225	260	328	361
210	7	263	304	383	421
240	8	300	347	438	482
270	9	338	391	492	542
300	10	375	434	547	602
330	11	413	477	602	662
360	12	450	521	656	722
390	13	488	564	711	783
420	14	525	608	766	843
450	15	563	651	821	903
480	16	600	694	875	963
510	17	638	738	930	1023
540	18	675	781	985	1084
570	19	713	825	1039	1144
600	20	750	868	1094	1204
630	21	788	911	1149	1264
660	22	825	955	1203	1324
690	23	863	998	1258	1385
720	24	900	1042	1313	1445
750	25	938	1085	1368	1505
780	26	975	1128	1422	1565
810	27	1013	1172	1477	1625
840	28	1050	1215	1532	1686
870	29	1088	1259	1586	1746
900	30	1125	1302	1641	1806
930	31	1163	1345	1696	1866
960	32	1200	1389	1750	1926
990	33	1238	1432	1805	1987
1020	34	1275	1476	1860	2047
1050	35	1313	1519	1915	2107
1080	36	1350	1562	1969	2167
1110	37	1388	1606	2024	2227
1140	38	1425	1649	2079	2288
1170	39	1463	1693	2133	2348
1200	40	1500	1736	2188	2408
1230	41	1538	1779	2243	2468
1260	42	1575	1823	2297	2528



ALICE 25 TANDEM VERTICAL

page 216

EUROPEAN WARRANTY

NEW

MATERIAL:
• Horizontal collectors in painted mild steel ø 30 mm.
• Double vertical heating elements in painted mild steel ø 25 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.Ù

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

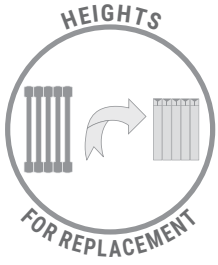
COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

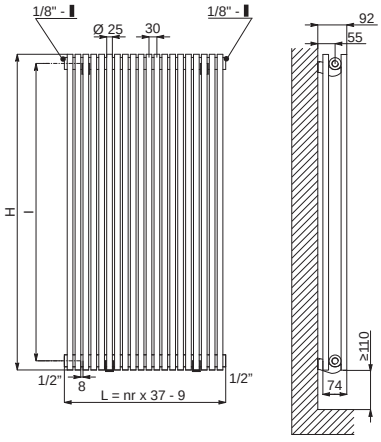
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

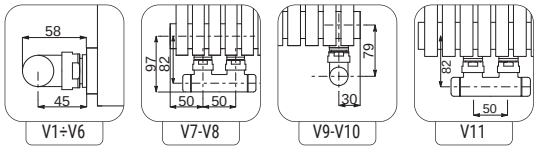
Height H [mm]	530	630	830	930
Therm. output per el. Δt = 50 °C [Watt]	44,1	51,1	64,7	71,4
Therm. output per el. Δt = 30 °C [Watt]	23	26,7	33,7	37,1
Dry Weight per section [kg]	0,691	0,810	1,047	1,165
Element Water content [lt]	0,485	0,568	0,734	0,817
Element surface [m²]	0,090	0,106	0,137	0,153
Exp. **n**	1,2698	1,2721	1,2767	1,2790
Pipe Centres I [mm] (V3-V4 only)	500	600	800	900

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

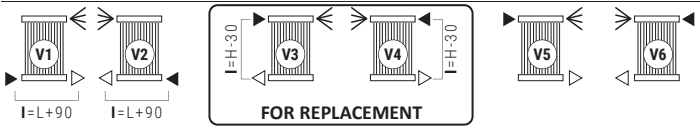




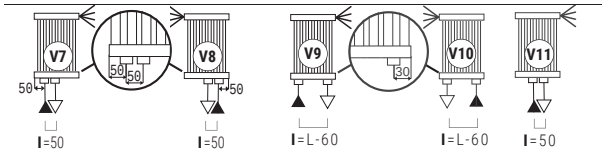
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋞ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ALICE 22 TANDEM VERTICAL**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Alice 25 tandem vertical	Numero elements E.g.: 24 elements	Height in cm Example: 830 mm	Article code of the connection Example: connection V3	Article code of the colour Example: S16 - Canary	Constant value
	AT25	24	083	V03	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AT25 ALICE 25 TANDEM VERTICAL
24 24 elements (see the table shown on the side)
083 Height 830 mm (see the table shown on the side)
V03 connection V3
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
AT25 24 083 V03 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
pipe centres 50 mm with
thermostatic option-White R01

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ALICE 25 TANDEM VERTICAL

Height H [mm]		530	630	830	930
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
176	5	221	256	324	357
213	6	265	307	388	428
250	7	309	358	453	500
287	8	353	409	518	571
324	9	397	460	582	643
361	10	441	511	647	714
398	11	485	562	712	785
435	12	529	613	776	857
472	13	573	664	841	928
509	14	617	715	906	1000
546	15	662	767	971	1071
583	16	706	818	1035	1142
620	17	750	869	1100	1214
657	18	794	920	1165	1285
694	19	838	971	1229	1357
731	20	882	1022	1294	1428
768	21	926	1073	1359	1499
805	22	970	1124	1423	1571
842	23	1014	1175	1488	1642
879	24	1058	1226	1553	1714
916	25	1103	1278	1618	1785
953	26	1147	1329	1682	1856
990	27	1191	1380	1747	1928
1027	28	1235	1431	1812	1999
1064	29	1279	1482	1876	2071
1101	30	1323	1533	1941	2142
1138	31	1367	1584	2006	2213
1175	32	1411	1635	2070	2285
1212	33	1455	1686	2135	2356
1249	34	1499	1737	2200	2428
1286	35	1544	1789	2265	2499
1323	36	1588	1840	2329	2570
1360	37	1632	1891	2394	2642
1397	38	1676	1942	2459	2713
1434	39	1720	1993	2523	2785
1471	40	1764	2044	2588	2856
1508	41	1808	2095	2653	2927
1545	42	1852	2146	2717	2999



ARIANNA

page 222

EUROPEAN WARRANTY

MATERIAL:
• Horizontal collectors in painted mild steel ø 30 mm.
• Double vertical heating elements in painted mild steel ø 38 mm.

FIXING KIT:
Brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

PACKAGING:
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

PAINTING PROCESS:
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2)

COLOURS:
Radiator and accessories: standard white colour RAL 9010-R01.
For other colours see page 560.

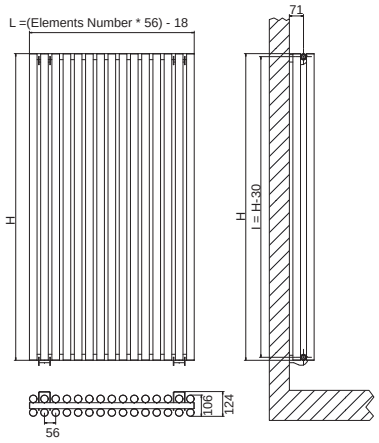
ACCESSORIES
See page 528

P. Max: 8 bar	Functioning: hot water	T. Max: 110° C	Connections: 2 x 1/2" gas - n° 1 da 1/8" gas for airvent

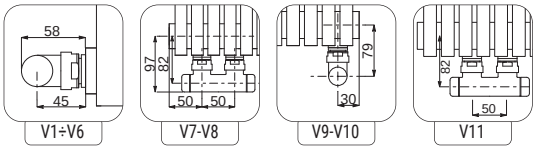
Height H [mm]	330	380	430	474	530	574	630	724	780
Therm. output per el. Δt = 50 °C [Watt]	44,5	50,1	55,5	60,2	66,1	70,7	76,4	86	91,7
Therm. output per el. Δt = 30 °C [Watt]	23,5	26,3	29,2	31,6	34,6	37	40	44,9	47,8
Dry Weight per section [kg]	0,838	0,947	1,056	1,129	1,274	1,347	1,492	1,674	1,819
Element Water content [lt]	0,721	0,821	0,92	1,011	1,119	1,21	1,318	1,508	1,617
Element surface [m²]	0,089	1,01	0,113	0,124	0,137	0,148	0,161	0,183	0,197
Exp. **n**	1,2541	1,2565	1,2589	1,2611	1,2638	1,2660	1,2686	1,2731	1,2758
Pipe Centres I [mm] (V3-V4 only)	300	350	400	444	500	544	600	694	750

For output at different, please refer to the following formula:
desired output = output at Δt 50°C x (desired Δt/50)^n

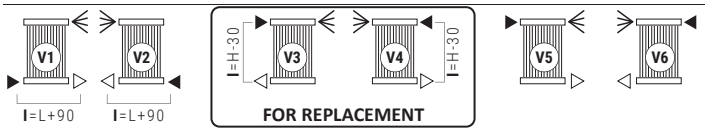
Height H [mm]	830	874	930	1030	1774	1974
Therm. output per el. Δt = 50 °C [Watt]	96,7	101,1	106,7	116,6	190	209,9
Therm. output per el. Δt = 30 °C [Watt]	50,3	52,6	55,5	60,7	98,7	109,1
Dry Weight per section [kg]	1,928	2,001	2,146	2,364	3,963	4,399
Element Water content [lt]	1,716	1,807	1,916	2,115	3,599	3,997
Element surface [m²]	0,209	0,219	0,233	0,256	0,434	0,482
Exp. **n**	1,2782	1,2785	1,2787	1,2792	1,2828	1,2804
Pipe Centres I [mm] (V3-V4 only)	800	844	900	1000	1744	1944



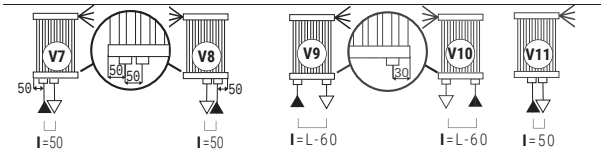
Quotes for Kristal valves



STANDARD CONNECTIONS



SPECIAL CONNECTIONS



Legenda= ► In ▷ Out ⋖ Airvent H Height I Pipe Centres L WIDTH ▭ Sleeve

Always specify the kind of connection needed when ordering.
Bidirectional pipe connection not available

HOW TO ORDER THE RADIATOR **ARIANNA**

ARTICLE NR. STRUCTURE	Radiator model	Elements nr.	Height in cm	Article code of the connection	Article code of the colour	Constant value
	AAAA	BB	CCC	DDD	EEE	A

EXAMPLE	Radiator model E.g.: Arianna	Numero elements E.g.: 16 elements	Height in cm Example: 780 mm	Article code of the connection Example: connection V3	Article code of the colour Example: S16 - Canary	Constant value
	AT38	16	078	V03	S16	A

EXAMPLE OF ARTICLE CODE CREATION
In the case of a radiator:
AT38 ARIANNA
16 16 elements (see the table shown on the side)
078 Height 780 mm (see the table shown on the side)
V03 connection V3
S16 colour S16- Canary (see page 560)
A (Constant value)
The article code will be:
AT38 16 078 V03 S16 A

ACCESSORIES

If ordered separately from the radiator, the accessories are available in standard white only.



Kristal valve square
With thermostatic option
White R01 - ral 9010

Copper conn. Ø 12/14/15
Art. nr. 5991990311161

Multilayer conn. Ø 16
Art. nr. 5991990311160



Kristal valve square
pipe centres 50 mm with
thermostatic option-White R01

Copper conn. Ø 12/14/15
Art. nr. 5991990311186

Multilayer conn. Ø 16
Art. nr. 5991990311185



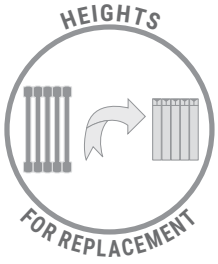
White thermostatic head

(Kit 2 pieces)
Art. nr. 5035270710016

Accessories and spare parts - see from page 528

ARIANNA

Height H [mm]		330	380	430	474	530	574	630	724	780
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
318	6	267	301	333	361	397	424	458	516	550
374	7	312	351	389	421	463	495	535	602	642
430	8	356	401	444	482	529	566	611	688	734
486	9	401	451	500	542	595	636	688	774	825
542	10	445	501	555	602	661	707	764	860	917
598	11	490	551	611	662	727	778	840	946	1009
654	12	534	601	666	722	793	848	917	1032	1100
710	13	579	651	722	783	859	919	993	1118	1192
766	14	623	701	777	843	925	990	1070	1204	1284
822	15	668	752	833	903	992	1061	1146	1290	1376
878	16	712	802	888	963	1058	1131	1222	1376	1467
934	17	757	852	944	1023	1124	1202	1299	1462	1559
990	18	801	902	999	1084	1190	1273	1375	1548	1651
1046	19	846	952	1055	1144	1256	1343	1452	1634	1742
1102	20	890	1002	1110	1204	1322	1414	1528	1720	1834
1158	21	935	1052	1166	1264	1388	1485	1604	1806	1926
1214	22	979	1102	1221	1324	1454	1555	1681	1892	2017
1270	23	1024	1152	1277	1385	1520	1626	1757	1978	2109
1326	24	1068	1202	1332	1445	1586	1697	1834	2064	2201
1382	25	1113	1253	1388	1505	1653	1768	1910	2150	2293
1438	26	1157	1303	1443	1565	1719	1838	1986	2236	2384
1494	27	1202	1353	1499	1625	1785	1909	2063	2322	2476
1550	28	1246	1403	1554	1686	1851	1980	2139	2408	2568
1606	29	1291	1453	1610	1746	1917	2050	2216	2494	2659
1662	30	1335	1503	1665	1806	1983	2121	2292	2580	2751



Height H [mm]		830	874	930	1030	1774	1974
WIDTH L [mm]	N° El.	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C	Watt Δt=50°C
318	6	580	607	640	700	1140	1259
374	7	677	708	747	816	1330	1469
430	8	774	809	854	933	1520	1679
486	9	870	910	960	1049	1710	1889
542	10	967	1011	1067	1166	1900	2099
598	11	1064	1112	1174	1283	2090	2309
654	12	1160	1213	1280	1399	2280	2519
710	13	1257	1314	1387	1516	2470	2729
766	14	1354	1415	1494	1632	2660	2939
822	15	1451	1517	1601	1749	2850	3149
878	16	1547	1618	1707	1866		
934	17	1644	1719	1814	1982		
990	18	1741	1820	1921	2099		
1046	19	1837	1921	2027	2215		
1102	20	1934	2022	2134	2332		
1158	21	2031	2123	2241	2449		
1214	22	2127	2224	2347	2565		
1270	23	2224	2325	2454	2682		
1326	24	2321	2426	2561	2798		
1382	25	2418	2528	2668	2915		
1438	26	2514	2629	2774	3032		
1494	27	2611	2730	2881	3148		
1550	28	2708	2831	2988	3265		
1606	29	2804	2932	3094	3381		
1662	30	2901	3033	3201	3498		

MY WAY® HOME AUTOMATION SYSTEM

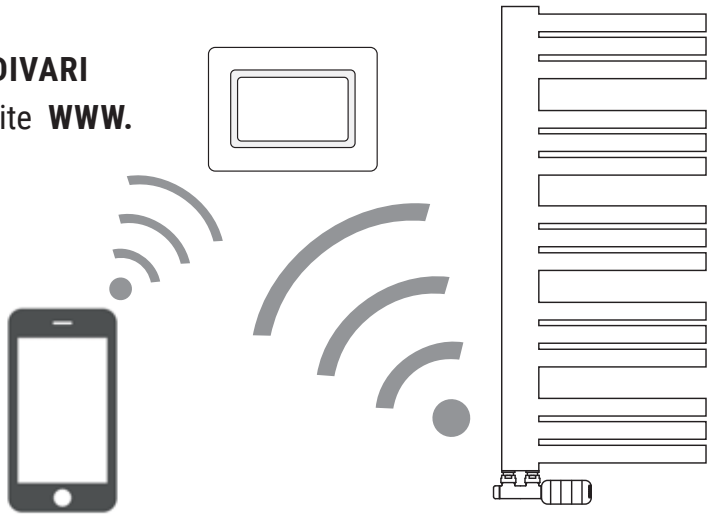
page 246

MANAGE YOUR HOME HEATING SYSTEM EVERYWHERE AND WHENEVER YOU WANT

My Way®, the new Cordivari system for managing domestic comfort. Wherever you are, check and manage all radiators, save up to 30% on energy and improve the efficiency of your heating system. My Way® can be applied to all existing systems without the need of costly interventions, quickly and easily. Through its intuitive interface, thanks to the APP that follows you everywhere and to its ability to know and learn your habits of comfort, My Way is the best friend of your comfort living.

IDEAL FOR RENOVATIONS

From your smartphone, thanks to the **APP CORDIVARI MY WAY®** or by connecting yourself to our website **WWW. CORDIVARIHOME.COM**









HOME COMFORT SYSTEM

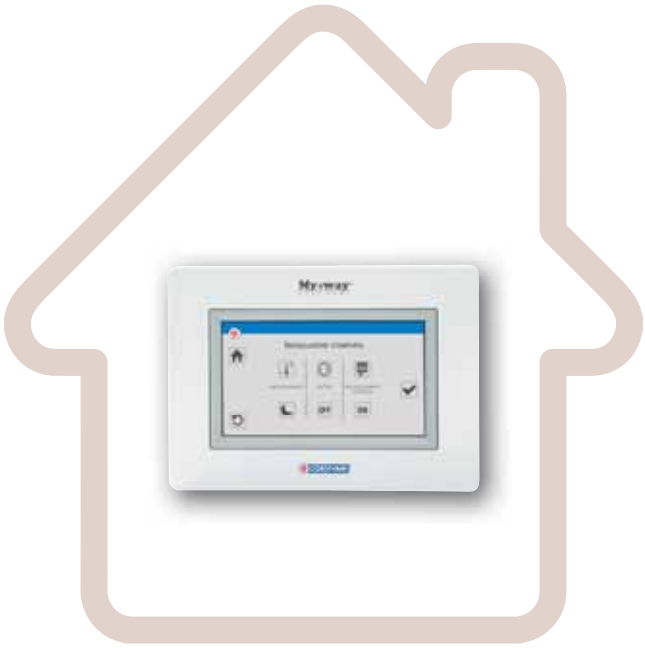
MY WAY® HOME AUTOMATION SYSTEM

MANAGE THE FUNCTIONING OF ELECTRIC WATER HEATERS OR OTHER ELECTRIC DEVICES

OPEN WINDOW SENSOR

PREDICTIVE SYSTEM WHO KNOWS AND ANTICIPATES YOUR NEEDS

MANAGEMENT OF ELECTRIC TOWEL WARMERS



STATISTICS AND ENERGY CONSUMPTION

CONTROL THE HOME COMFORT FROM YOUR SMARTPHONE

CUSTOMIZE EVERY ROOM ACCORDING TO YOUR NEEDS

WIIRELESS THERMOSTATIC HEAD



MY HEAD



MY WAY® HOME AUTOMATION SYSTEM



BEAUTIFUL

100% made in Italy design and technology.

The MY WAY® system combines functionality and design thanks the interface of the control unit and the APP which are extremely intuitive and easy to use, the result of the Cordivari research and the best Italian technology. The thermostatic heat MY HEAD with clean and rigorous design is the most compact on the market with its minimum dimensions and integrates with any furniture style and gives added value to any radiator. The ergonomics of the thermostatic head is designed for an easy and immediate use even without intervening on the control unit or on the APP.

EASY

My Way® can be installed on any existing system without any electric or hydraulic operation. My Head heads are compatible with all common types of thermostatic valves on the market. Wireless connections with terminals and between the different components are quick and easy to run through the touch screen control unit. Thanks to the APP available for all Android and IOs mobile devices, to manage the entire system is extremely simply and affordable for everyone. Each user can easily administer the system, through the created account, safely and intuitively wherever you are.





SAFE

The great precision of the algorithm and system sensors of the My Way® guarantees maximum comfort and energy performance of the system which makes the My Way® system a reliable companion in ensuring efficiency, savings and serenity. The operation of the electronic thermostatic heads is designed to preserve the batteries, ensuring large autonomy. The child lock function, which is equipped the My Head with, protects from accidental changes of settings. The systems keep all user settings even after disconnection due to electrical blackout, battery change and lack of WIFI connection with router or software updates. With the ability to work in any position, My Head in combination with the space saving corner valves Cordivari are the best safety solution especially in traditional towel warmers or thinner radiators.

MY WAY® HOME AUTOMATION SYSTEM

CONTROL UNIT

The control unit My Way®, with its intuitive touch screen interface, allows you to set all functions of the system and to manage the entire system with wireless system. The controller connects to the WIFI router of your home to allow the management of the system by mobile phone thanks to the APP that follows you everywhere.





ELECTRONIC THERMOSTATIC HEADS

The new **electronic heads HY HEAD** are wireless thermostatic heads **applicable on all Kristal thermostatic valves** very easily. The heads do not require electrical connection and My Head have great autonomy; control precision and advanced electronics guarantees comfort and savings.

HEAT SOURCE CONTROLLER

The heat source controller manages activation of the heat generator or heat pump. Through the wireless connection with MY WAY® controls the generator according to the needs of set comfort, maximizing operating efficiency.





MY WAY® HOME AUTOMATION SYSTEM

page 246

EUROPEAN
WARRANTY

HOME COMFORT KIT SYSTEM

This kit includes everything you need to implement easily the MY WAY® system on the home installation:

- My Head electronic thermostatic heads in white color
- Control unit My Way®
- Heat source controller



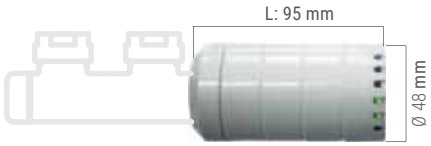
Description	N° MY HEAD	Art. nr.
MY WAY® COMFORT KIT 4	**4**	3436316710003
MY WAY® COMFORT KIT 6	**6**	3436316710004
MY WAY® COMFORT KIT 8	**8**	3436316710005
MY WAY® COMFORT KIT 10	**10**	3436316710006

COMPONENTS



MY HEAD ELECTRONIC THERMOSTATIC HEADS

Wireless electronic thermostatic heads, applicable on all Kristal thermostatic valves. The heads My Head also work in stand-alone mode without internet access. Each package includes adaptors for valves with M28/24/30 thread. Additional adapters are available on request.



DESCRIPTION	Art. nr.	Diameter [mm]	Length [mm]
MY HEAD - WHITE	5035270710022	48	95
MY HEAD - BLACK	5035270710023		
MY HEAD - CHROMED	5035270710024		



CONTROL UNIT MY WAY®

Control unit with WIFI connection for manage of the entire system and associable devices. The unit can be remotely controlled through the application for smartphones and tablets and the Web APP. The package contains the controller, power supply with wall bracket and the bracket for the table.

Art. nr.	WIDTH [mm]	Height [mm]
5755280000024	150	110

MY WAY® HOME AUTOMATION SYSTEM

HEAT SOURCE CONTROLLER

Wireless device for managing the heat generator. Thanks to the heat source controller, the My Way® system manages booting and switching off of the generator, optimizing performance and energy consumption according to the set settings.



Art. nr.
5150990000005

ELECTRIC CABLE POWER SUPPLY

Full board power supply cable USB type. This accessory is useful if you want to position and keep the control unit powered resting it on a plane surface with the bracket for the table, rather than fixed to the wall with the bracket.



Art. nr.
5755280000028

RF ANTENNA REPEATER

Useful accessory to repeat and amplify your wireless signal between the control unit and associated devices. The antenna repeater is used only if necessary because of distance of physical obstacles standing in the way which reduces the power of the signal.



Art. nr.
5150990000009

EXTERNAL TEMPERATURE SENSOR

External temperature sensor. The detected external temperature is transmitted to the My Way® control unit.



Art. nr.
5150990000008

DIGITAL THERMOSTAT

Wireless device useful for managing multiple present devices or electronic head My Head. The accessory is useful for grouping and operate synchronously and optimized these environments through a single setting.
With digital programmable thermostat, you can group and create rooms and/or areas in the system. The accessory in conjunction with the receiver for electrical devices permits to manage thermoelectric device for on/off mode.



Art. nr.
5150990000007

RECEIVER FOR ELECTRICAL DEVICE

Wireless device for control (on-off) of an electrical device associated to My Way®.



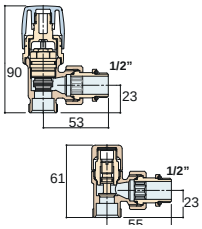
Art. nr.
5150990000006

ACCESSORIES

VALVES KIT

Valve kit includes: valve and holder, fittings for copper (Ø 12-14-15) or multilayer (Ø 16) pipes.
The art. nr. of the chart refer to standard colour white R01 - RAL 9010; colours different from standard are supplied exclusively with the matching coloured radiator. Colour surcharge indicated in colour chart page 560.





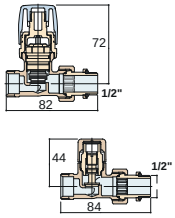
KRISTAL VALVE SQUARE WITH THERMOSTATIC OPTION
WHITE R01 - RAL 9010

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990311161	Art. nr.	5991990311160



NOTE. :For valves kit with colour different from standard WHITE R01 – RAL 9010 the hand grip is polished.

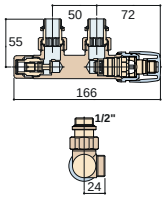




KRISTAL VALVE STRAIGHT WITH THERMOSTATIC OPTION
WHITE R01 - RAL 9010

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990311159	Art. nr.	5991990311158

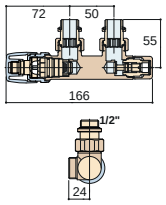




KRISTAL VALVE SQUARE RIGHT PIPE CENTRES 50 MM
WITH THERMOSTATIC OPTION - WHITE R01 - RAL 9010

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990311186	Art. nr.	5991990311185

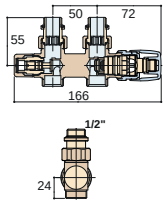




KRISTAL VALVE SQUARE LEFT PIPE CENTRES 50 MM
WITH THERMOSTATIC OPTION - WHITE R01 - RAL 9010

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990311188	Art. nr.	5991990311187

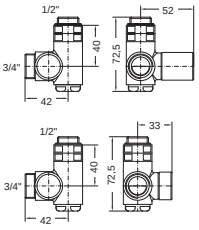




KRISTAL VALVE STRAIGHT RIGHT PIPE CENTRES 50 MM
WITH THERMOSTATIC OPTION - WHITE R01 - RAL 9010

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990311190	Art. nr.	5991990311189

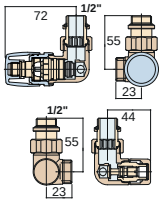




KRISTAL VALVE COMBI
WITH THERMOSTATIC OPTION - WHITE R01 - RAL 9010

Copper conn. Ø 12-14-15 e Multilayer conn. Ø 16	
Art. nr.	5991990310555

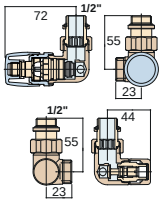




KRISTAL VALVE CORNER RIGHT PIPE CENTRES 50 MM
WITH THERMOSTATIC OPTION - WHITE R01 - RAL 9010

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990311176	Art. nr.	5991990311175





KRISTAL VALVE CORNER LEFT PIPE CENTRES 50 MM
WITH THERMOSTATIC OPTION - WHITE R01 - RAL 9010

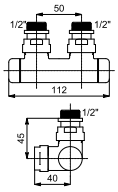
Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990311178	Art. nr.	5991990311177

ACCESSORIES

VALVES KIT

Valve kit includes: valve and holder, fittings for copper (Ø 12-14-15) or multilayer (Ø 16) pipes.
The art. nr. of the chart refer to standard colour white R01 - RAL 9010; colours different from standard are supplied exclusively with the matching coloured radiator. Colour surcharge indicated in colour chart page 560.

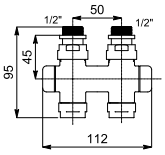




KRISTAL VALVE SQUARE RIGHT PIPE CENTRES 50 MM
WHITE R01 - RAL 9010

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990311192	Art. nr.	5991990311191

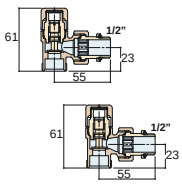




KRISTAL VALVE STRAIGHT RIGHT PIPE CENTRES 50 MM
WHITE R01 - RAL 9010

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990311194	Art. nr.	5991990311193

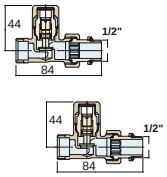




KIT 2 HOLDERS SQUARE
WHITE R01 - RAL 9010

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990010226	Art. nr.	5991990010225

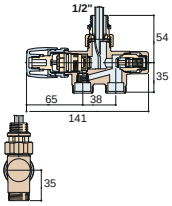




KIT 2 HOLDERS STRAIGHT
WHITE R01 - RAL 9010

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990010228	Art. nr.	5991990010227

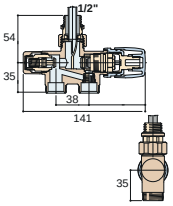




VALVE KRISTAL BIDIRECTIONAL UNDERNEATH INLET AT LEFT SIDE WITH
THERMOSTATIC OPTION - WHITE R01 - RAL 9010

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990311182	Art. nr.	5991990311181

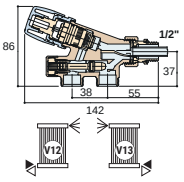




VALVE KRISTAL BIDIRECTIONAL UNDERNEATH INLET AT RIGHT SIDE WITH
THERMOSTATIC OPTION - WHITE R01 - RAL 9010

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990311180	Art. nr.	5991990311179





VALVE KRISTAL BIDIRECTIONAL LATERAL INLET
WITH THERMOSTATIC OPTION - WHITE R01 - RAL 9010

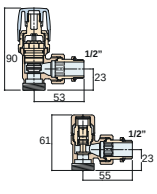
Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990311184	Art. nr.	5991990311183



VALVES KIT ELEGANT TINTA
(SEE CORDIVARI DESIGN CATALOGUE)



NEW



EUROKONUS VALVES SQUARE WITH THERMOSTATIC OPTION
WHITE R01 - RAL 9010 - 3/4" CONNECTION

Art. nr.	5991990332877

PIPER ADAPTOR FOR EUROKONUS

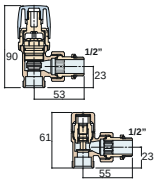
Copper connection Ø 12	Multilayer connection Ø 14
Art. Nr. 5991990010234	Art. Nr. 5991990010237
Copper connection Ø 14	Multilayer connection Ø 16
Art. Nr. 5991990010235	Art. Nr. 5991990010238
Copper connection Ø 15	
Art. Nr. 5991990010236	

ACCESSORIES

VALVES KIT

Valve kit includes: valve and holder, fittings for copper (Ø 12-14-15) or multilayer (Ø 16) pipes.

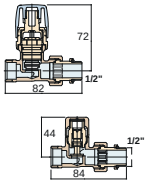




KRISTAL VALVE SQUARE WITH THERMOSTATIC OPTION
CHROMED FINISHING

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990311165	Art. nr.	5991990311166

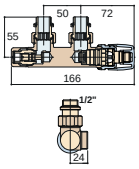




KRISTAL VALVE STRAIGHT WITH THERMOSTATIC OPTION
CHROMED FINISHING

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990311163	Art. nr.	5991990311164

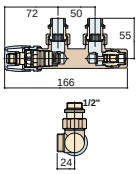




KRISTAL VALVE SQUARE RIGHT PIPE CENTRES 50 MM
WITH THERMOSTATIC OPTION - CHROMED FINISHING

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990301150	Art. nr.	5991990301149

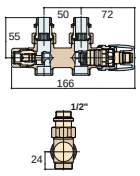




KRISTAL VALVE SQUARE LEFT PIPE CENTRES 50 MM
WITH THERMOSTATIC OPTION - CHROMED FINISHING

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990301152	Art. nr.	5991990301151

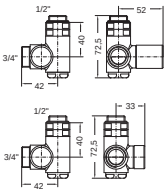




KRISTAL VALVE STRAIGHT PIPE CENTRES 50 MM
WITH THERMOSTATIC OPTION - CHROMED FINISHING

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990301154	Art. nr.	5991990301153

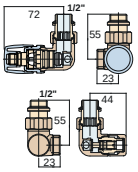




KRISTAL VALVE COMBI
WITH THERMOSTATIC OPTION - CHROMED FINISHING

Copper conn. Ø 12-14-15 e Multilayer conn. Ø 16	
Art. nr.	5991990310556

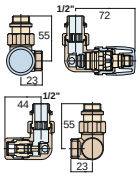




KRISTAL VALVE CORNER RIGHT
WITH THERMOSTATIC OPTION - CHROMED FINISHING

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990301146	Art. nr.	5991990301145



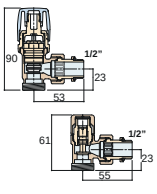


KRISTAL VALVE CORNER LEFT
WITH THERMOSTATIC OPTION - CHROMED FINISHING

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990301148	Art. nr.	5991990301147



NEW



EUROKONUS VALVES SQUARE WITH THERMOSTATIC OPTION
CHROMED FINISHING- 3/4" CONNECTION

Art. nr.	5991990332878

PIPER ADAPTOR FOR EUROKONUS

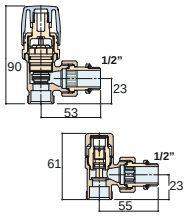
Copper connection Ø 12	Multilayer connection Ø 14
Art. Nr. 5991990010234	Art. Nr. 5991990010237
Copper connection Ø 14	Multilayer connection Ø 16
Art. Nr. 5991990010235	Art. Nr. 5991990010238
Copper connection Ø 15	
Art. Nr. 5991990010236	

ACCESSORIES

VALVES KIT

Valve kit includes: valve and holder, fittings for copper (Ø 12-14-15) or multilayer (Ø 16) pipes.

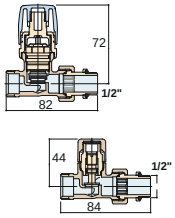




KRISTAL VALVE SQUARE WITH THERMOSTATIC OPTION
SATIN FINISHING

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990321143	Art. nr.	5991990321144

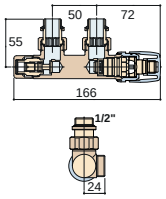




KRISTAL VALVE STRAIGHT WITH THERMOSTATIC OPTION
SATIN FINISHING

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990321147	Art. nr.	5991990321148

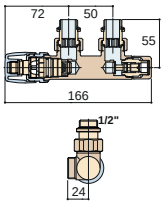




KRISTAL VALVE SQUARE RIGHT PIPE CENTRES 50 MM
WITH THERMOSTATIC OPTION - SATIN FINISHING

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990321138	Art. nr.	5991990321137

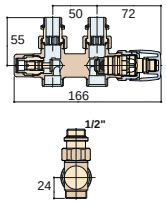




KRISTAL VALVE SQUARE LEFT PIPE CENTRES 50 MM
WITH THERMOSTATIC OPTION - SATIN FINISHING

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990321140	Art. nr.	5991990321139

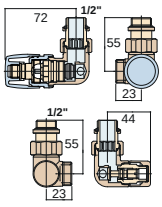




KRISTAL VALVE STRAIGHT PIPE CENTRES 50 MM
WITH THERMOSTATIC OPTION - SATIN FINISHING

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990321142	Art. nr.	5991990321141

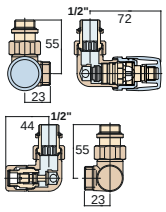




KRISTAL VALVE CORNER RIGHT
WITH THERMOSTATIC OPTION - SATIN FINISHING

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990321134	Art. nr.	5991990321133





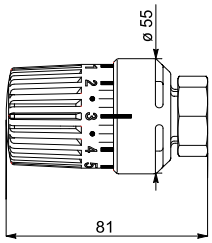
KRISTAL VALVE CORNER LEFT
WITH THERMOSTATIC OPTION - SATIN FINISHING

Copper conn. Ø 12-14-15		Multilayer conn. Ø 16	
Art. nr.	5991990321136	Art. nr.	5991990321135

ACCESSORIES

VALVES KIT



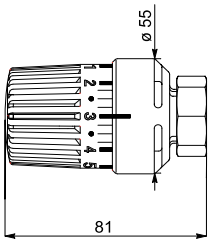


WHITE THERMOSTATIC HEAD

Functioning in compliance with UNI EN 215:2007 regulation

Art. nr.	5035270710001



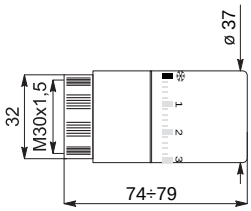


CHROMED THERMOSTATIC HEAD

Functioning in compliance with UNI EN 215:2007 regulation

Art. nr.	5035270710014





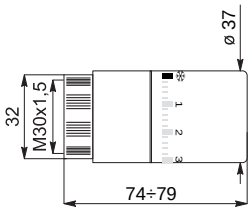
WHITE THERMOSTATIC HEAD

Functioning in compliance with UNI EN 215:2007 regulation

Art. nr.	5035270710016

Kit 2 pieces





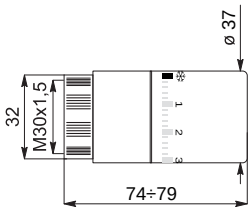
CHROMED THERMOSTATIC HEAD

Functioning in compliance with UNI EN 215:2007 regulation

Art. nr.	5035270710015

Kit 2 pieces





SATIN THERMOSTATIC HEAD

Functioning in compliance with UNI EN 215:2007 regulation

Art. nr.	5035270710018

Kit 2 pieces

FITTINGS



FITTINGS FOR COPPER CONNECTION - Ø 10-16

Ø	Art. nr.
10	5160000000144
16	5160000000145

KIT WITH 5 PAIRS



FITTINGS FOR MULTILAYER CONNECTION - Ø 10-16

Ø	Art. nr.
14	5160000000146
18	5160000000147

KIT WITH 5 PAIRS



FITTINGS FOR MULTILAYER CONNECTION - Ø 20

Ø	Art. nr.
20	5006170050017

KIT WITH 1 PAIR

ACCESSORIES

VALVES KIT



SET FOR PIPE COVERING
WHITE FINISHING

Ø	Art. nr.
10	5103000000063
12	5103000000064
14	5103000000065
15	5103000000066
16	5103000000067
18	5103000000068

KIT WITH 10 PAIRS

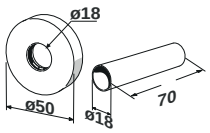


SET FOR PIPE COVERING
POLISHED FINISHING

Ø	Art. nr.
10	5103000000069
12	5103000000070
14	5103000000071
15	5103000000072
16	5103000000073
18	5103000000074

KIT WITH 10 PAIRS



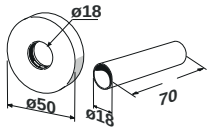


SET FOR PIPE COVERING
WHITE FINISHING

Art. nr.	5103000000060

KIT WITH 1 PAIR



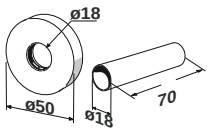


SET FOR PIPE COVERING
POLISHED FINISHING

Art. nr.	5103000000061

KIT WITH 1 PAIR





SET FOR PIPE COVERING
SATIN FINISHING

Art. nr.	5103000000062

KIT WITH 1 PAIR

FITTINGS



FITTING
FOR KRISTAL VALVES

	Art. nr.
1/2"	5006170030109
3/8"	5006170030108

KIT WITH 5 PAIRS



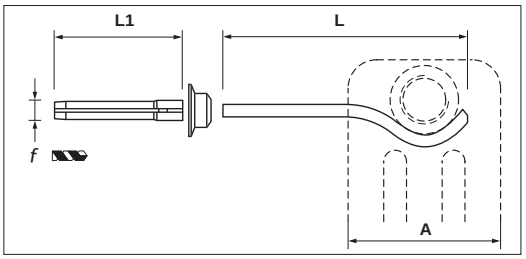
IRON PIPES FITTING
FOR KRISTAL VALVES

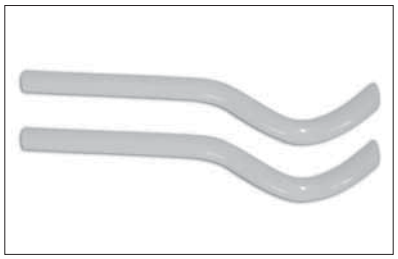
	Art. nr.
1/2"	5150990300001
3/8"	5150990300003

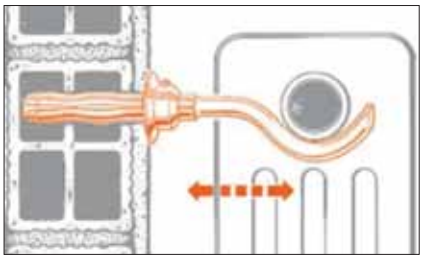
KIT WITH 5 PAIRS

WALL BRACKETS KIT

For the installation is recommended to use the wall brackets provided by Cordivari, size 12 mm and 16 mm depending on model.
The kit includes:
• 2 wall brackets
• 2 plastic nogs







HOW TO CALCULATE THE NUMBER OF WALL BRACKETS REQUIRED.

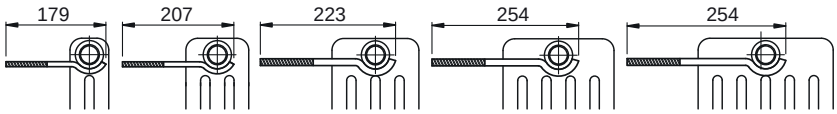
Always remember to consider both the Dry Weight of the radiator and its water content.

N° COLUMNS	Art. nr.	ø Nogs (mm)	L (mm)	L1 (mm)	Portata max per coppia [kg]
2	5991990310378	12	179	100	150
3	5991990310379	12	207	100	100
4	5991990310380	15	223	111	200
5	5991990310381	15	254	111	160
6					80

The code nr of the chart refer to standard colour white R01 RAL 9010; colours different from standard are supplied exclusively with the matching coloured radiator. Colour surcharge indicated in colour chart at page 560.

Eg: an Ardesia radiator consisting of:
n° COLUMNS: 4 - Height: 1000 - n° elements: 48

*Total Dry Weight of 1 section, water included: 2.96 * [Dry Weight of empty section] + 1.84 * [Dry Weight of water contained in the section] = total kg. 4.8.*
Total Dry Weight of the whole radiator: 4.8 kg X 48 [sections] = 230.4 kg
No. of fixing kits to order: 230.4 kg [total Dry Weight of the radiator] /200 [max Dry Weight that 1 wall brackets kit can take for Ardesia® 4 columns] = 1.15. The number of kits necessary in this case is 2 - Code Nr. 5991990310380.
(*) Above data are taken from the relevant technical table (see page 256).

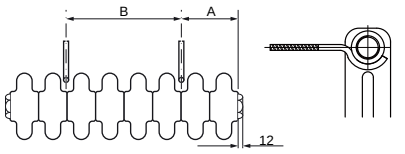


HOW TO CHOOSE THE CORRECT NUMBER OF BRACKETS TO SUPPORT RADIATOR DRY WEIGHT

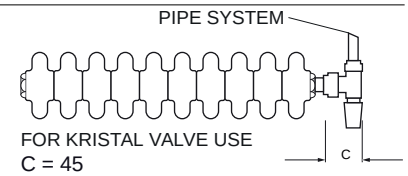
Max. number of sections that can be supported **by a pair** of brackets available for solid/masonary and perforated brick walls.

Height	N° COLUMNS				
	2	3	4	5	6
207	40	40	40	40	40
300	40	40	40	40	31
356	40	40	40	40	27
400	40	40	40	40	25
406	40	40	40	40	24
500	40	40	40	40	20
556	40	40	40	40	19
586	40	40	40	40	18
600	40	40	40	40	18
626	40	40	40	40	17
656	40	40	40	39	16
676	40	40	40	38	16
750	40	36	40	35	14
756	40	36	40	34	14
786	40	35	40	33	14
856	40	32	40	31	13
876	40	31	40	30	12
900	40	30	40	29	12
926	40	30	40	29	12
956	40	30	40	29	12
1000	40	28	40	27	11
1056	40	26	39	25	11
1200	40	23	35	23	9
1500	40	19	28	18	8
1656	39	17	26	17	7
1800	36	16	24	15	6
1856	35	15	23	15	6
2000	32	14	22	14	6
2056	32	14	21	13	6
2200	30	13	20	13	5
2500	26	12	17	11	5

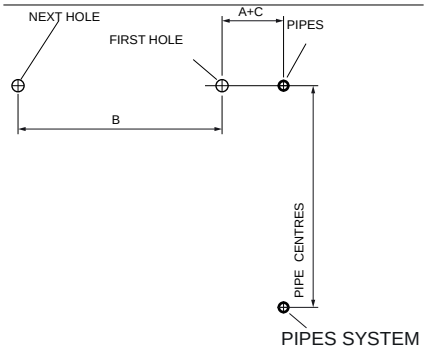
DETERMINE THE BRACKET POSITION IN RELATION TO THE RADIATOR



DETERMINE THE POSITION OF THE RADIATOR IN RELATION TO PIPES



REALIZE HOLES ON THE WALL IN RELATION TO THE PIPES POSITION



RAPID FIXING SAFETY KIT VDI6036 COLOUR WHITE RAL 9010

These new fixing kit comply to VDI 6036 norm regulating the safe anchoring of wall hung radiators.
They guarantee a correct support in relation to the radiator Dry Weight and ensure stability and resistance to traction from every direction.
This leads to maximum safety and easy installation.

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4

RAPID FIXING COLOUR WHITE RAL 9010(*)

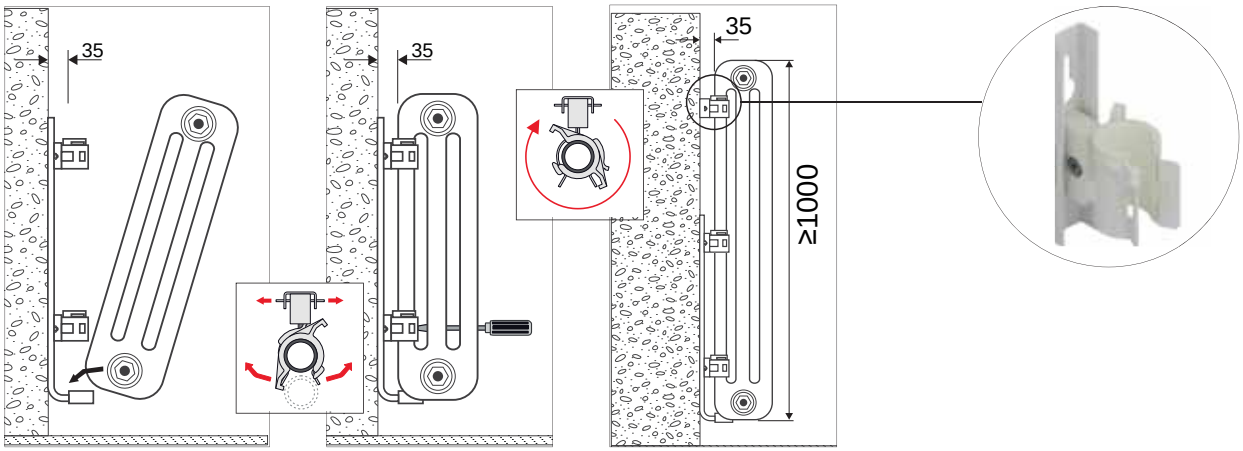
Pair of fixing kit	Suitable for the following heights	Art. nr.	Max Load
	300 ÷ 350mm	5102000000440	150
	350 ÷ 450mm	5102000000441	
	500 ÷ 700mm	5102000000442	
	750 ÷ 1000mm	5102000000443	
	above 1000mm (**)	5102000000444	



(*)The code nr of the chart refers to standard colour white R01 - RAL 9010; colours different from standard are supplied exclusively with the matching coloured radiator.
Colour surcharge indicated in colour chart page 560.

(**) For Heights above 1000 mm the art. code includes an additional pair of fixing kit to be placed on the upper part of the radiator so to ensure complete stability as per below drawing.

EXAMPLE OF INSTALLATION WITH RAPID SAFETY KIT

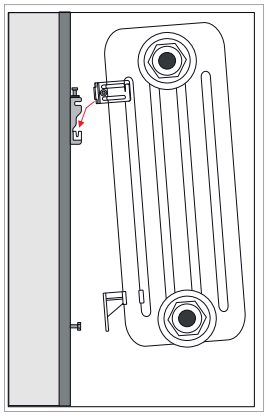


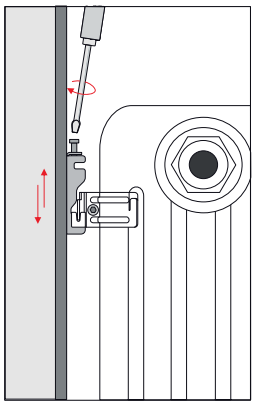
UNIVERSAL RAPID SAFETY KIT

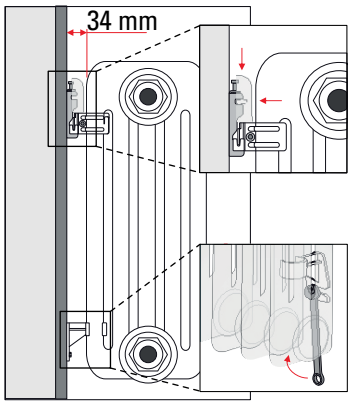
PAIR OF WALL TIES FIXING KIT COLOUR WHITE	Art. nr.	Max Load
	5991990310311	150

VDI 6036 COMPLIANT WITH CLASS 1-2-3-4



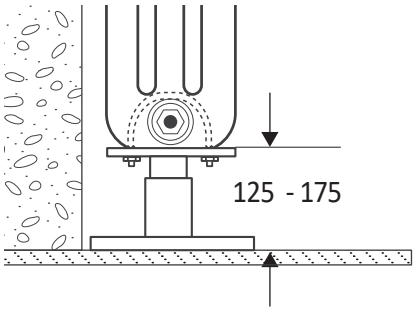




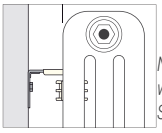


FLOOR FIXING KIT

FLOOR FIXING KIT WITH ADJUSTABLE FEET



This floor fixing support allows the installation of Ardesia® batteries whenever the radiator dry weight can not be supported from walls only.
They ensure stability and easy installation.



Note: it requires the use of a wall tie.
See page 537



Pair of floor fixig kit with adjustable height. From 125mm up to 175mm. Available for radiators from 2 up to 6 columns.
Colour White

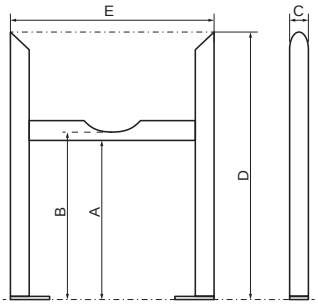
Art. nr. 5991990310040

FIXING KIT WITH COLOURABLE SLIP ON FEET



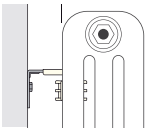
For colours different from standard white R01 - RAL 9010 surcharge 30 % . See colour chart page 560.

SLIP ON FEET		A	B	C	D	E
Suitable for	Art. nr. (colour White R01 - RAL 9010)	[mm]				
2 COLUMNS	5102000000580	120	125,5	30	200	71,5
3 COLUMNS	5102000000581	120	125,5	30	200	112,5
4 COLUMNS	5102000000582	120	125,5	30	200	153,5
5 COLUMNS	5102000000583	120	125,5	30	200	194
6 COLUMNS	5102000000584	120	125,5	30	200	236

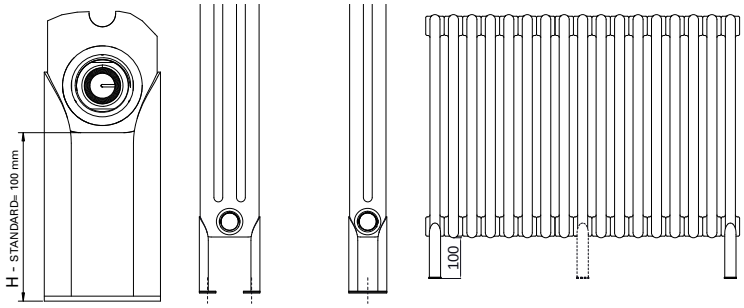


WELDED FEET SUPPORT



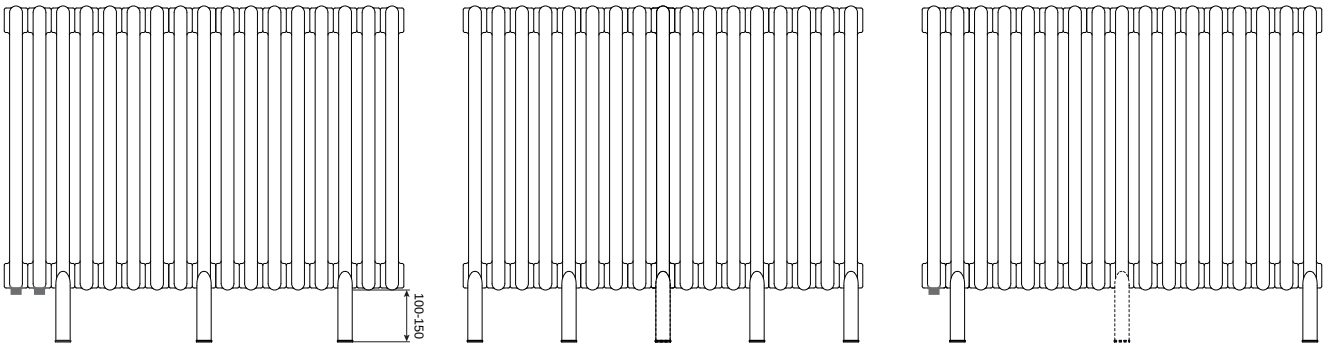


Note: it requires the use of a wall tie.



	2 COLUMNS	3 COLUMNS	4 COLUMNS	5 COLUMNS	6 COLUMNS	FEET STANDARD HEIGHT
STANDARD EXECUTION	connected at the base	free				[mm]
from 3 to 23 Elements	**2 pairs**	**2 pairs**	**2 pairs**	**2 pairs**	**2 pairs**	100
from 24 to 40 Elements	**3 pairs**	**3 pairs**	**3 pairs**	**4 pairs**	**4 pairs**	100
from 40 to 63 Elements	**4 pairs**	**4 pairs**	**4 pairs**	**4 pairs**	**4 pairs**	100

On demand, it is possible to realize:
• welded feet with 150mm of height • bottom sleeves to ease installation • welded feet positioned irregularly • higher number of welded feet



FLOOR FIXING KIT

PAIR OF CAST-IRON FLOOR SUPPORTS

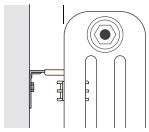


NEW

PAIR OF CAST-IRON FLOOR SUPPORTS

Available colour: white

Art. nr. 5991990310308



Attention: the stabilizer must be used.

SINGLE CAST-IRON FLOOR SUPPORT



NEW

SINGLE CAST-IRON FLOOR SUPPORT

Available colour: white

Art. nr. 5991990310517

WALL TIE

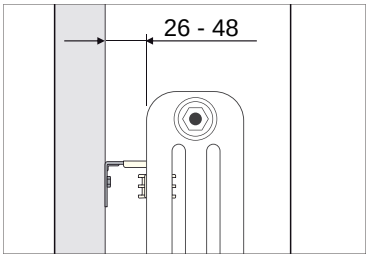
Useful to ensure stability and avoid the risk of accidental overturn

PLEASE NOTE: it is necessary to use the wall tie in case of feet mounting option.



KIT OF 2 SINGLE WALL TIES - COLOUR WHITE

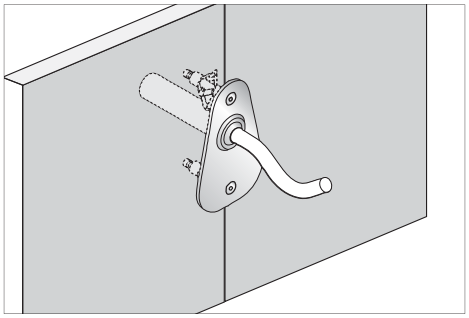
Art. nr. 5991990310307





PLASTERBOARDS WALL ADAPTORS





MAX LOAD IN KG.		
BRACKETS for	WALL THICKNESS 12,5 mm	WALL THICKNESS 12,5 +12,5 mm
2 COLUMNS	46 kg	74 kg
3 COLUMNS	46 kg	74 kg
4 COLUMNS	34 kg	50 kg
5 COLUMNS	30 kg	45 kg
6 COLUMNS	28 kg	40 kg

1 PAIR OF PLASTERBOARDS WALL ADAPTORS - WALL THICKNESS 12,5 MM.

(2 E 3 COLUMNS) suitable for 2/3 columns WALL BRACKETS

Kit Art. nr. 5150991100001

PAIR OF PLASTERBOARDS WALL ADAPTORS - WALL THICKNESS 25 MM.

(2 E 3 COLUMNS) suitable for 2/3 columns WALL BRACKETS

Kit Art. nr. 5150991100003

C PAIR OF PLASTERBOARDS WALL ADAPTORS - WALL THICKNESS 12,5 MM.

(4,5 E 6 COLUMNS) suitable for 4/5/6 columns WALL BRACKETS

Kit Art. nr. 5150991100002

PAIR OF PLASTERBOARDS WALL ADAPTORS - WALL THICKNESS 25 MM.

(4,5 E 6 COLUMNS) suitable for 4/5/6 columns WALL BRACKETS

Kit Art. nr. 5150991100004

FIXING KIT (SUITABLE FOR COLOUR F28 - SHINY TRANSPARENT)





1 PAIR FIXING KIT *(SUITABLE FOR COLOUR F28 - SHINY TRANSPARENT)*

NEW

Art. nr. 5102000030568

1 pair MAX LOAD=78 kg.



2 PAIRS FIXING KIT *(SUITABLE FOR COLOUR F28 - SHINY TRANSPARENT)*

NEW

Art. nr. 5102000030569

1 pair MAX LOAD=78 kg.

BLANKING PLUG AND REDUCING BUSHES AVAILABLE IN COLOUR WHITE RAL 9010 ONLY

RIGHT SIDE

10 PCS.

1" caps
Right ø 44 mm
Silicone gasket
Size 1"



Art. nr. 5160000000002

LEFT SIDE

10 PCS.

1" caps
Left ø 44 mm
Silicone gasket
Size 1"



Art. nr. 5160000000004

BLANKING PLUGS

10 PCS.



1/2" - Art. nr. 5160000000079
3/8" - Cod . 5160000000080

RIGHT REDUCING BUSHES

10 PCS.
Reducing Bush RIGHT
Ø 42 mm
Silicone gasket



Art. nr. 5160000000013	1" x 3/4"
Art. nr. 5160000000009	1" x 1/2"
Art. nr. 5160000000017	1" x 3/8"
Art. nr. 5160000000021	1" x 1/4"

LEFT REDUCING BUSHES

10 PCS.
Reducing Bush LEFT
Ø 42 mm
Silicone gasket



Art. nr. 5160000000015	1" x 3/4"
Art. nr. 5160000000011	1" x 1/2"
Art. nr. 5160000000019	1" x 3/8"
Art. nr. 5160000000023	1" x 1/4"

NIPPLING KIT

Kit includes:
- 2 reducing bushes Right from 1" M to 1/2 - 3/8" F
- 1 reducing bush left from 1" M to 1/2 - 3/8" F
- 1 cap 1" left
- 1 Air Vent 1/2" - 3/8"
- Gaskets.



1/2" - Art. nr. 5160000000030
3/8" - Art. nr. 5160000000031

Nippling kit for F28 SHINY TRANSPARENT models
1/2" - Cod. 5160000000219

HYDRAULIC ACCESSORIES

AIRVENT VALVES

10 PCS.

1/2", 1/4", 3/8"



1/2" - Art. nr. 5160000000005
1/4" - Art. nr. 5160000000007
3/8" - Art. nr. 5160000000006

NIPPLES

10 PCS.
1" nipples + silicon gasket

Use only Cordivari Nipples. The use of other nipples does not guarantee the sealing of the radiator and excludes the WARRANTY.



Art. nr. 5160000000026

DIVERTER

10 PCS.

Reccomended for radiators with less than 10 sections and/or higher than 1000 mm.



Art. nr. 5160000000028

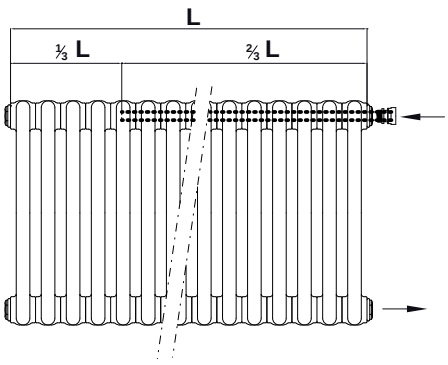
INLET LANCE

Ardesia® tubular radiator with lateral connections exceeds the number of sections and lenght indicated in below chart, in order to guarantee the normal functioning of the radiator and its thermal output, it is neccesary to insert an inlet lance. Its lenght must be the 2/3 of the total radiaors lenght.

INLET LANCE KIT
lenght 4000 mm (to be cut acording to desired lenght) with 1/2" fitting exclusively for Cordivari kristal valve



Art. nr. 5006170030110



COLUMNS	N° Elements	Lenght of the inlet lance [mm]
2	> 85	3910
3	> 83	3818
4	> 80	3680
5	> 70	3220
6	> 55	2530

HOOKS AND TOWEL BAR

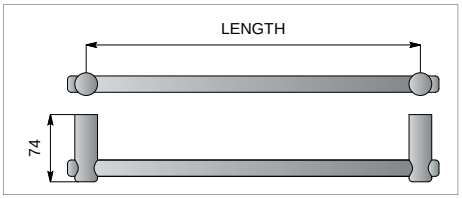
HOOK



Art. nr.	Finishing/colours	N° of sigle items per kit
5991990310376	CHROMED	2
5991990310375	WHITE	2

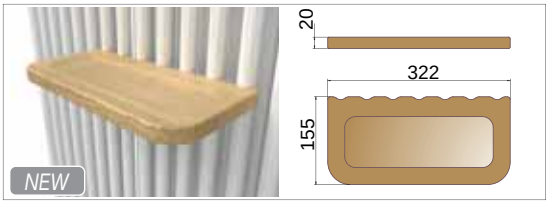
TOWEL BAR





ART. NR.	Finishing/colours	WIDTH	N° elements
5991990310392	WHITE	322	from 7
5991990310394		525	from 10
5991990310393	CHROMED	322	from 7
5991990310395		525	from 10

WOODEN SHELVE



Art. nr.	Finishing
5991990500013	White Oak
Available only for Ardesia® 2 and 3 COLUMNS ≥ 9 elements	

MAINTENANCE

TOUCH-UP PENS - R01



2 PCS PACK FOR **WHITE RAL 9010**

Art. nr. 5160000000076

TOUCH-UP PENS - R02



2 PCS PACK FOR **WHITE RAL 9016**

Art. nr. 5160000000077

WOOL BRUSH



- Antistatic. Ideal to capture dust
- It can be used on both wet and dry surfaces
- Flexible structure, it allows to clean each part of the radiator
- Hand washable in cold water

Art. nr. 5991990000016

ACCESSORIES

HOOKS AND TOWEL BAR PAINTED IN STANDARD COLOUR WHITE RAL 9010*

KIT 2 Hooks - WHITE RAL 9010



Suitable for:	Art. nr.
CLAUDIA®	5991990310028
CLAUDIA® WIDE	
CLAUDIA® CURVED	
DORIANA	

TOWEL BAR - WHITE RAL 9010



Suitable for:	Art. nr.	WIDTH [mm]
CLAUDIA® (Width ≥ 400 mm)	5991990310047	276 mm
CLAUDIA® (Width ≥ 500 mm)	5991990310029	368 mm
CLAUDIA® (Width ≥ 600 mm)	5991990310034	460 mm
CLAUDIA® (Width ≥ 750 mm)	5991990310030	552 mm

KIT 2 Hooks - WHITE RAL 9010



Suitable for:	Art. nr.
LUCY 18	5991990310388
LUCY 18 WIDE	
BRIGITTE	
ALICE 18	
LUCY Electric	
DORY	5991990310389
DORY Electric	
DORY BLOWER	
ROSY vert./orizz.	
KATIA VX	5991990310391
KARIN VX	

TOWEL BAR - WHITE RAL 9010



Suitable for:	Art. nr.	WIDTH [mm]
LUCY 18 (Width ≥ 500 mm)	5991990331126	440 mm
ALICE 18 (Width ≥ 480 mm)		
LUCY 18 Electric		
DORY (Width ≥ 500 mm)	5991990331127	390 mm
DORY Electric		
DORY BLOWER		
ROSY orizz. (Width ≥ 448 mm)		
KATIA VX (Width ≥ 500 mm)	5991990331129	440 mm
KARIN VX (Width ≥ 450 mm)		

*The code nr of the chart refer to standard colour white R01 - RAL 9010; colours different from standard are supplied exclusively with the matching coloured radiator. Colour surcharge indicated in colour chart page 560.

HOOKS AND TOWEL BAR POLISHED STAINLESS STEEL

KIT 2 Hooks - POLISHED STAINLESS STEEL



Suitable for:	Art. nr.
SANDY	5991990010215

TOWEL BAR - POLISHED STAINLESS STEEL



Suitable for:	Art. nr.	WIDTH
SANDY (Width ≥ 500 mm)	5991990010220	350 mm

KIT 2 Hooks - POLISHED STAINLESS STEEL



Suitable for:	Art. nr.
ELEN polished	5991990010216
ELEN WIDE polished	
NANCY polished	
GIADA polished	

TOWEL BAR - POLISHED STAINLESS STEEL



Suitable for:	Art. nr.	WIDTH
ELEN polished (Width ≥ 500 mm)	5991990010221	350 mm
GIADA polished (Width ≥ 511 mm)		

KIT 2 Hooks -POLISHED STAINLESS STEEL



Suitable for:	Art. nr.
STEFANIA polished	5991990010218

ACCESSORIES

HOOKS AND TOWEL BAR SATIN STAINLESS STEEL

KIT 2 Hooks - SATIN STAINLESS STEEL



Suitable for:	Art. nr.
ELEN 18 satin **NANCY satin** **GIADA satin**	5991990010217

TOWEL BAR - SATIN STAINLESS STEEL



Suitable for:	Art. nr.	WIDTH
ELEN 18 satin (Width ≥ 500 mm) **GIADA satin** (Width ≥ 511 mm)	5991990010222	350 mm

KIT 2 Hooks - SATIN STAINLESS STEEL



Suitable for:	Art. nr.
STEFANIA satin	5991990010219

WOODEN SHELVES FOR ROSY MIRROR

KIT 2 WOODEN SHELVES - 162x100 mm



Finishing	Art. nr.
White	5991990500006
Bay Oak	5991990500005
Wenghé	5991990500007

for ROSY MIRROR central mirror

KIT 2 WOODEN SHELVES - 218x100 mm



Finishing	Art. nr.
White	5991990500009
Bay Oak	5991990500008
Wenghé	5991990500010

for ROSY MIRROR lateral mirror

TOWEL BAR

FOLDABLE TOWEL BAR IN PLEXIGLASS AND STAINLESS STEEL



WIDTH **L** x DEPTH **P**	Art. nr.
L 370 mm x **P** 377 mm	5991990310402
L 420 mm x **P** 377 mm	5991990310403

Foldable and removable, it is suitable for towel rails in all finishing: white, coloured, chromed or stainless steel finishing. It can not be used on towel rails with curved elements, Dory and Lucy Plus models
Available with Width ≥ 450 mm

SPARE PARTS - FIXING KIT

PAINTED WALL FIXING BRACKETS

Each kit includes: brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
PLEASE NOTE: Fittings and screws supplied with fixing kit, can be used on solid/masonary and perforated brick walls. For installation on different wall material, it is responsability of the installer to choose appropriate fixing kit.

CLAW FIXING KIT - WHITE RAL 9010*



Suitable for:	Art. nr.
ANNA	5102000000268
DORIANA VT/OR	5102000000004
CLAUDIA® CURVED	5102000000383

CLAW FIXING KIT AND INFRATUBE - WHITE RAL 9010*



Suitable for:	Art. nr.
CLAUDIA	5102000000561
CLAUDIA Electric	

SIDEBURN FIXING KIT - WHITE RAL 9010*



Suitable for:	Art. nr.
BRIGITTE	5102000000390
DORY	
DORY Electric	
DORY BLOWER	
GLORIA 22	
GLORIA 22 WIDE	
GLORIA 22 BLOWER	
KATIA VX	
KATIA VX WIDE	
LUCY 18/25	
LUCY 18 Electric	
LUCY 18/25 plus	
LUCY 18 WIDE	
GLORIA PLUS	
CLAUDIA® WIDE	5102000000539
NAUSICA	
NAIKE	

SIDEBURN FIXING KIT - WHITE RAL 9010*



Suitable for:	Art. nr.
ROSY HOR	5102000000390
KARIN VX HOR	
ALICE HOR	

INFRATUBE FIXING KIT - WHITE RAL 9010*



Suitable for:	Art. nr.
ROSY TANDEM HOR	5102000000046
ALICE 18 TANDEM HOR	5102000000047
KARIN VX Tandem HOR	5102000000587

HOOK FIXING KIT - WHITE RAL 9010*



Suitable for:	Art. nr.
ROSY Vert.	5102000000169
ROSY Tandem Vert.	
ROSY MIRROR	
KEIRA	5102000000169
KEIRA Tandem	5102000000395
ROSY MAX	
KARIN VX Vert.	5102000000256
KARIN VX Tandem	
ALICE 18 Vert.	5102000000166
ALICE18 Tandem Vert.	
ARIANNA	5102000000516

SIDEBURN FIXING KIT AND INFRATUBE - WHITE RAL 9010*

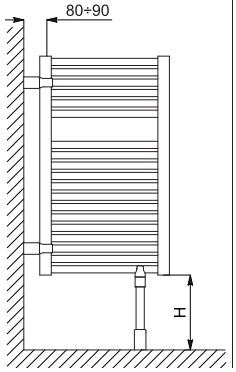


Suitable for:	Art. nr.
KELLY FLAT	5102000000536
KELLY FLAT Electric	
KELLY FLAT BLOWER	

**The code nr of the chart refer to standard colour white R01 - RAL 9010; colours different from standard are supplied exclusively with the matching coloured radiator.*
Colour surcharge indicated in colour chart page 560.

FLOOR FIXING KIT

FLOOR FIXING KIT - WHITE RAL 9010*



Suitable for:
CLAUDIA®
ANNA

Art. nr. 5102000000202
H=96 mm

Art. nr. 5102000000203
H=146 mm

Art. nr. 5102000000204
H=196mm

**The code nr of the chart refer to standard colour white R01 - RAL 9010; colours different from standard are supplied exclusively with the matching coloured radiator. Colour surcharge indicated in colour chart page 560.*

PLEASE NOTE: Fittings and screws supplied with fixing kit, can be used on solid/masonary and perforated brick walls. For installation on different wall material, it is responsability of the installer to choose appropriate fixing kit.

SPARE PARTS - FIXING KIT

POLISHED WALL FIXING BRACKETS

Each kit includes: brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.
PLEASE NOTE: Fittings and screws supplied with fixing kit, can be used on solid/masonary and perforated brick walls. For installation on different wall material, it is responsability of the installer to choose appropriate fixing kit.

SIDEBURN FIXING KIT - Polished



Suitable for:	Art. nr.
SANDY polished	5102000000409
ELEN 18 polished	
ELEN 18 WIDE polished	
ELEN 22 polished	
NANCY polished	
STEFANIA polished	
LEILA	
LEILA Electric	
ELSA	5102000000411

SIDEBURN FIXING KIT - Polished



Suitable for:	Art. nr.
GIADA HOR polished	5102000000409

HOOK FIXING KIT - Polished



Suitable for:	Art. nr.
GIADA VERT polished	5102000000160

SATIN WALL FIXING BRACKETS

SIDEBURN FIXING KIT - Satin



Suitable for:	Art. nr.
ELEN 18 satin	5102000000405
NANCY satin	
STEFANIA satin	

SIDEBURN FIXING KIT - Satin



Suitable for:	Art. nr.
GIADA HOR satin	5102000000405

HOOK FIXING KIT - Satin



Suitable for:	Art. nr.
GIADA VERT satin	5102000000162

Kit includes:
brackets, airvent, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

DUAL ENERGY KIT

"PLUS" DIGITAL THERMOSTAT KIT

NEW



WHITE

Art. nr.	Output [Watt]	Size [mm]
5102000002147	300	ø 12 x 350
5102000002148	400	ø 12 x 415
5102000002149	500	ø 12 x 450
5102000002150	600	ø 12 x 550
5102000002151	700	ø 12 x 550
5102000002152	900	ø 12 x 710
5102000002153	1200	ø 12 x 920

• 1 electric resistance with digital white thermostat, class 1 ingress protection IP44 available from 300W up to 1200W V230. White power cable and Schuko plug included. • 2 "T" polished connections of 1"1/2 • 1 nickeled brass with O-Ring 1/2 gas M • User notice

NEW



GREY

Art. nr.	Output [Watt]	Size [mm]
5102000002154	300	ø 12 x 350
5102000002155	400	ø 12 x 415
5102000002156	500	ø 12 x 450
5102000002157	600	ø 12 x 550
5102000002158	700	ø 12 x 550
5102000002159	900	ø 12 x 710
5102000002160	1200	ø 12 x 920

• 1 electric resistance with digital grey thermostat, class 1 ingress protection IP44 available from 300W up to 1200W V230. Grey power cable and Schuko plug included. • 2 "T" polished connections of 1"1/2 • 1 nickeled brass with O-Ring 1/2 gas M • User notice

"TOP" DIGITAL THERMOSTAT KIT



WHITE

Art. nr.	Output [Watt]	Size [mm]
5102000000458	300	ø 12 x 350
5102000000459	400	ø 12 x 415
5102000000460	500	ø 12 x 450
5102000000461	600	ø 12 x 550
5102000000462	700	ø 12 x 550
5102000000463	900	ø 12 x 710
5102000000464	1200	ø 12 x 920

• 1 electric resistance with digital white thermostat, class 1 ingress protection IP44 available from 300W up to 1200W V230. White power cable and Schuko plug included. • 2 "T" polished connections of 1"1/2 • 1 nickeled brass with O-Ring 1/2 gas M • User notice



CHROMED

Art. nr.	Output [Watt]	Size [mm]
5102000000465	300	ø 12 x 350
5102000000466	400	ø 12 x 415
5102000000467	500	ø 12 x 450
5102000000468	600	ø 12 x 550
5102000000469	700	ø 12 x 550
5102000000470	900	ø 12 x 710
5102000000471	1200	ø 12 x 920

• 1 electric resistance with digital chromed thermostat, class 1 ingress protection IP44 available from 300W up to 1200W V230. Grey power cable and Schuko plug included. • 2 "T" polished connections of 1"1/2 • 1 nickeled brass with O-Ring 1/2 gas M • User notice

"ECO" DIGITAL THERMOSTAT KIT



WHITE

Art. nr.	Output [Watt]	Size [mm]
5102000000638	300	ø 12 x 350
5102000000639	400	ø 12 x 415
5102000000640	500	ø 12 x 450
5102000000641	600	ø 12 x 550
5102000000642	700	ø 12 x 550
5102000000643	900	ø 12 x 710
5102000000644	1200	ø 12 x 920

• 1 electric resistance with analog white thermostat, class 1 ingress protection IP44 available from 300W up to 1200W V230. White power cable and Schuko plug included. • 2 "T" polished connections of 1"1/2 • 1 nickeled brass with O-Ring 1/2 gas M • User notice



CHROMED

Art. nr.	Output [Watt]	Size [mm]
5102000000645	300	ø 12 x 350
5102000000646	400	ø 12 x 415
5102000000647	500	ø 12 x 450
5102000000648	600	ø 12 x 550
5102000000649	700	ø 12 x 550
5102000000650	900	ø 12 x 710
5102000000651	1200	ø 12 x 920

• 1 electric resistance with digital chromed thermostat, class 1 ingress protection IP44 available from 300W up to 1200W V230. Grey power cable and Schuko plug included. • 2 "T" polished connections of 1"1/2 • 1 nickeled brass with O-Ring 1/2 gas M • User notice

REMOTE CONTROLS (INCLUDED)

"PLUS" THERMOSTAT REMOTE CONTROL

NEW



Suitable for electric version of: **Claudia®, Lucy, Dory, Kelly flat**

Digital thermostat **PLUS** Art. nr. 5150990000012

Remote control of PLUS digital chrono-thermostat funtioning

"TOP" THERMOSTAT REMOTE CONTROL



Suitable for electric version of: **Ardesia®, Elen, Stefania, Sandy, Leila**

Digital thermostat **TOP** Art. nr. 5150990000002

Remote control of TOP digital chrono-thermostat funtioning

DUAL ENERGY KIT

ANALOG THERMOSTAT KIT



WHITE

Art. nr.	Output [Watt]	Size [mm]
5102000000472	300	ø 12 x 350
5102000000473	400	ø 12 x 415
5102000000474	500	ø 12 x 450
5102000000475	600	ø 12 x 550
5102000000476	700	ø 12 x 550
5102000000477	900	ø 12 x 710
5102000000478	1200	ø 12 x 920

• 1 electric resistance with analog white thermostat, class 1 ingress protection IP44 available from 300W up to 1200W V230. White power cable and Schuko plug included.
• 2 "T" polished connections of 1"1/2 • 1 nickeled brass with O-Ring 1/2 gas M • User notice



CHROMED

Art. nr.	Output [Watt]	Size [mm]
5102000000479	300	ø 12 x 350
5102000000480	400	ø 12 x 415
5102000000481	500	ø 12 x 450
5102000000482	600	ø 12 x 550
5102000000483	700	ø 12 x 550
5102000000484	900	ø 12 x 710
5102000000485	1200	ø 12 x 920

• 1 electric resistance with digital chromed thermostat, class 1 ingress protection IP44 available from 300W up to 1200W V230. Grey power cable and Schuko plug included. • 2 "T" polished connections of 1"1/2 • 1 nickeled brass with O-Ring 1/2 gas M • User notice

"TOP" DIGITAL THERMOSTAT KIT + COMBI VALVES



CHROMED

Art. nr.	Output [Watt]	Size [mm]
5102000000573	300	ø 12 x 350
5102000000574	400	ø 12 x 415
5102000000575	500	ø 12 x 450
5102000000576	600	ø 12 x 550
5102000000577	700	ø 12 x 550
5102000000578	900	ø 12 x 710
5102000000579	1200	ø 12 x 920

• 1 electric resistance with digital chromed thermostat, class 1 ingress protection IP44 available from 300W up to 1200W V230. Grey power cable and Schuko plug included
• Chromed Combi kit valve - fittings for copper or multilayer pipes included
• User notice

KIT DIGITAL THERMOSTAT **"ECO"** + VALVOLE COMBI "ECO"



WHITE

Art. nr.	Output [Watt]	Size [mm]
5102000000652	300	ø 12 x 350
5102000000653	400	ø 12 x 415
5102000000654	500	ø 12 x 450
5102000000655	600	ø 12 x 550
5102000000656	700	ø 12 x 550
5102000000657	900	ø 12 x 710
5102000000658	1200	ø 12 x 920

• 1 electric resistance with digital white thermostat, class 1 ingress protection IP44 available from 300W up to 1200W V230. White power cable and Schuko plug included.
• White Combi kit valve - fittings for copper or multilayer pipes included • User notice

WITH BASIC ELECTRIC RESISTANCE AND PLUG



GREY

Art. nr.	Output [Watt]	Size [mm]
5102000000282	300	ø 12 x 350
5102000000455	400	ø 12 x 415
5102000000456	500	ø 12 x 450
5102000000284	600	ø 12 x 550
5102000000457	700	ø 12 x 550
5102000000286	900	ø 12 x 710
5102000000287	1200	ø 12 x 920

• 1 electric resistance with polished cap; class 1, protection class IP54 available from 300W to 1200W, V230.
• 2 "T" polished connections of 1"1/2
• 1 nickeled brass with O-Ring 1/2 gas M
• User notice

REMOTE CONTROLS (OPTIONAL)

"BLOWER" REMOTE CONTROL



Suitable for:	Art. nr.
BLOWER Radiators	5150990000011

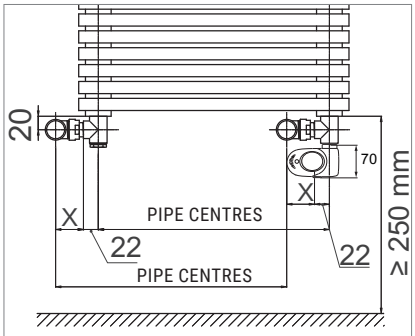
Remote control of ventilated funtioning

DUAL ENERGY KIT

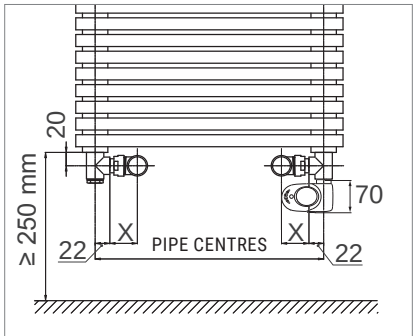
EUROPEAN
WARRANTY



STANDARD CONNECTION

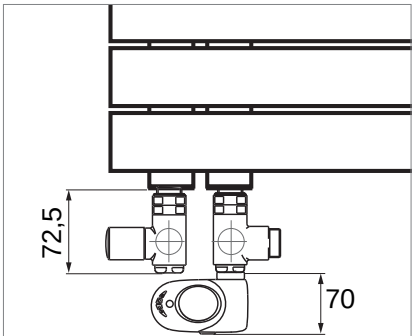


X= VALVE FOOTPRINT



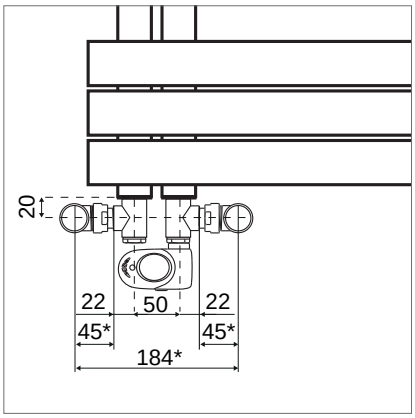
X= VALVE FOOTPRINT

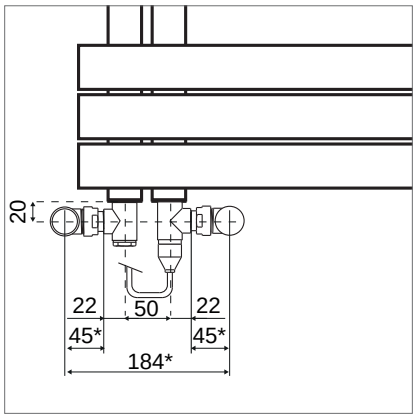
COMBI VALVES KIT CONNECTION

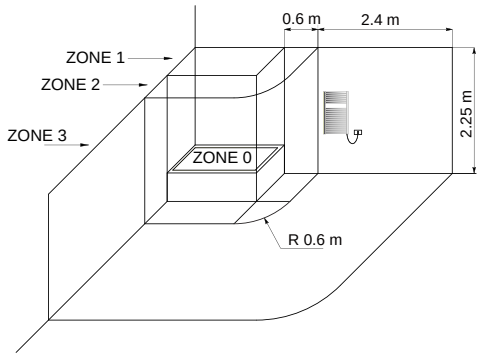


The combination kit with COMBI valves is the ideal solution for asymmetric models such as KELLY FLAT. This type of valve allows to keep unchanged the center distance of the hot water pipes.

KELLY FLAT MODELS CONNECTION







INSTALLATION REQUIREMENTS

The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.
In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

PLUS DIGITAL THERMOSTAT



NEW

Digital thermostat with white backlighting, integrated programming, open window sensor and energy consumption indicator in kWh.
MAIN FUNCTIONS
- Room temperature regulation
- Setting of the desired temperature
- Power on / heating in standby
- Selection of operating modes
- Fast heating thanks to the Boost function: this mode allows to increase the temperature in the shortest possible time. This function can be activated for a duration ranging from 10 to 90 minutes at intervals of 5 minutes.
- 6 integrated programs: AUTO (Programming), BOOST, COMFORT, ECO, ANTIFREEZE, STAND-BY HEATING
- Energy consumption meter: automatic indicator of new energy consumption according to the desired temperature

Energy consumption indicator in kWh: estimated consumption in kWh in the last 24 hours or from the last reset of the meter.
Open window sensor: Automatic switch to antifreeze mode when a significant temperature drop is detected during room ventilation.

PROGRAMMING
- 5 different programming profiles for each day of the week: P1, P2, P3, Comfort, Eco
- Customization of programs P1, P2, P3
- Manual and temporary modification of a running program

HELP FOR PARTIALLY SIGHTED USERS
- On / off button in relief to be easily identifiable by touch
- Acoustic signals that indicate the transition from the standby function to an active mode

SAFETY
- Keypad lock for child safety
- Safety settings:
- limitation of the set temperature range (min. and max.) Backup in case of mains power failure:
- Over-temperature protection in Boost mode

TOP DIGITAL THERMOSTAT



MAIN CHARACTERISTICS AND OPERATION MODALITIES
- CRONO: function of chrono-thermostat with daily or weekly programming with two temperature levels (Comfort/Eco)
- COMFORT: Possibility of setting your own desired temperature for time slot for higher comfort
- ECO: Possibility of keeping the temperature constant with lower power consumption. Useful for energy saving when the room is not occupied.
- ANTI-FREEZE: Useful if the room is not used for longer periods
- TIMER/FORCED MARCH: Useful to heat rapidly the room and dry towels thanks to 2h of forced march at max. Power.
- CHILD SAFETY LOCK: special purpose lock of the display panel so to avoid any accidental alteration
- REMOTE CONTROL (optional):The digital thermostat is equipped with an infrared remote control useful to manage all the aforementioned functions.
- Wide display screen: optimum readability thanks to the backlight
- Ingress protection: IP44
- Protection class: 1
- Operating temperature: from -10°C to +40°C
- Setpoint temperature: from +7°C to +32°C
- Voltage: 230 V / 50 Hz

ECO DESIGN DIGITAL THERMOSTAT



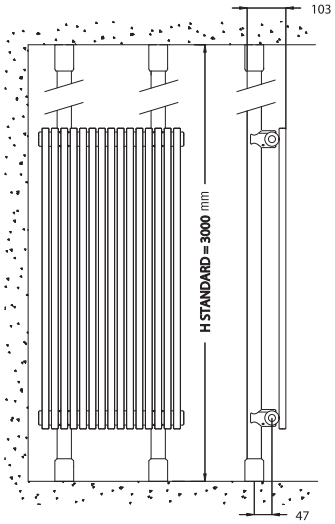
MAIN CHARACTERISTICS AND OPERATION MODALITIES
- CRONO: daily and weekly program with two temperature levels (COMFORT and ECO).
- COMFORT: programmed desired temperature for the comfort time bands.
- ECO: programmed desired temperature for lower consumption time bands. Useful during the night or when the radiator is not exploited.
- ANTIFREEZE: protection mode for the radiator in case of long period of inactivity.
- FORCED MARCH: maximum power mode for 2 hours in order to rapidly reach the comfort temperature.
- SAFETY: opening window sensor. Children's safety guaranteed thanks to the lock out system, which avoids any accidental modification of the set program.
- Wide LCD screen
- Minimum class protection IP 44
- Class I
- Operational temperature conditions: from -10° C to +40° C
- Settable temperature range: from +7° C to +32° C
- Voltage: 230 V / 50 Hz

SPECIAL EXECUTIONS

To satisfy increasingly changing market needs, Cordivari has a well experienced and important technical department for "bespoke solutions". Radiators with measures, connections and technical solutions not covered by the catalogue can be developed to customise special requests.

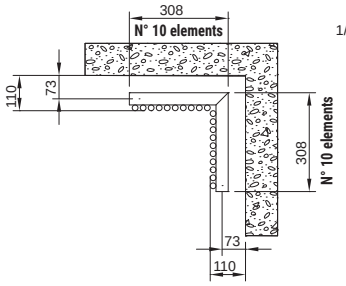
FLOOR FIXING KIT (LIVING DESIGN RADIATORS models)



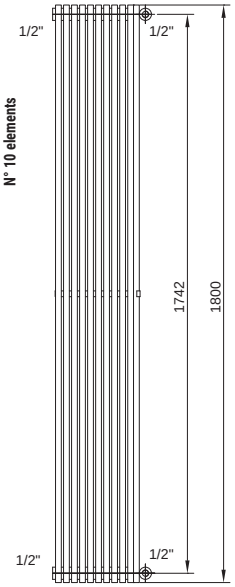


Floor fixing kit on GIADA SATIN.
Available for ROSY - ALICE - GIADA models.
Tandem version excluded.

"CORNER" SOLUTION

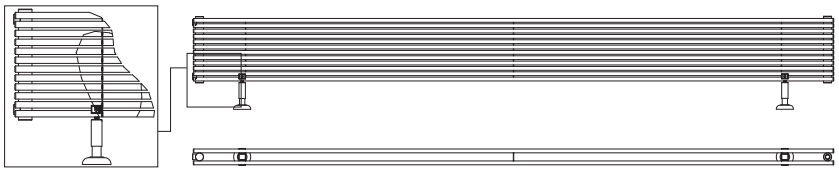






Corner solution on Giada Satin
Available for all single-column radiators
Tandem version excluded

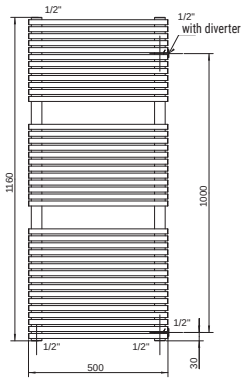
SOLUTION WITH FLOOR SUPPORTING FEET





Solution for Alice Tandem radiators
Available for all single column radiators "tandem" version

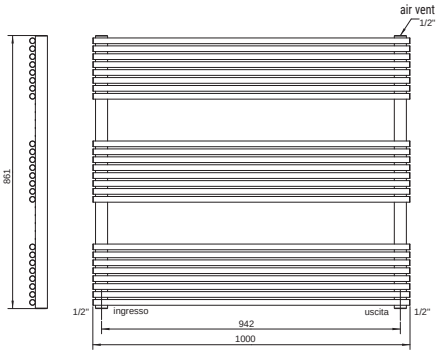
LATERAL CONNECTIONS



Lateral connections with 1000 mm pipes centres shown on Elen polished model.

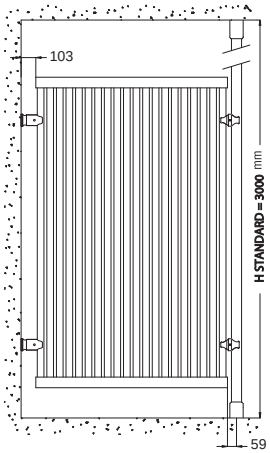
Available for all towel rails Debby models excluded

CUSTOMISED POSITIONING OF RADIANTS



Customised realization of Alice model with "rhythmic" radiants

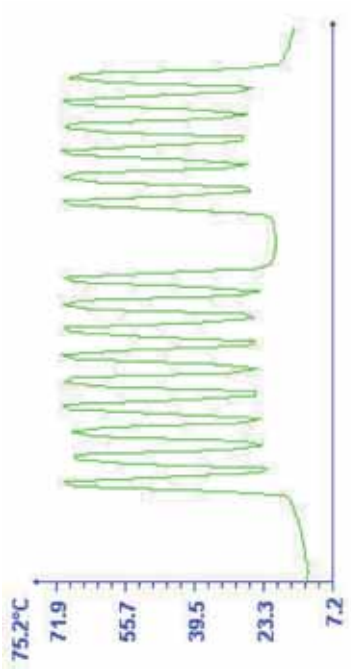
FLOOR FIXING KIT

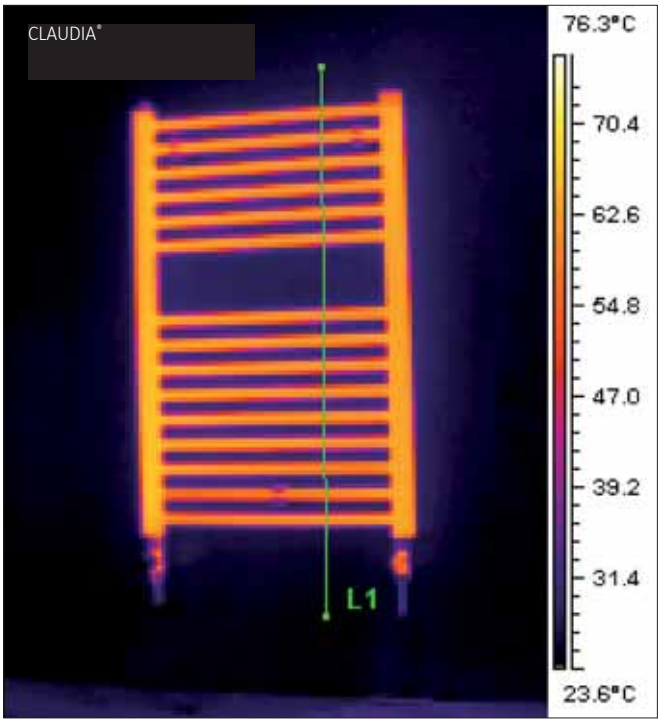


Floor Fixing Kit
for single-columns radiators with shaft from ceiling to pavement.
Available on DORIANA Vertical models

THERMOGRAFIC ANALYSIS

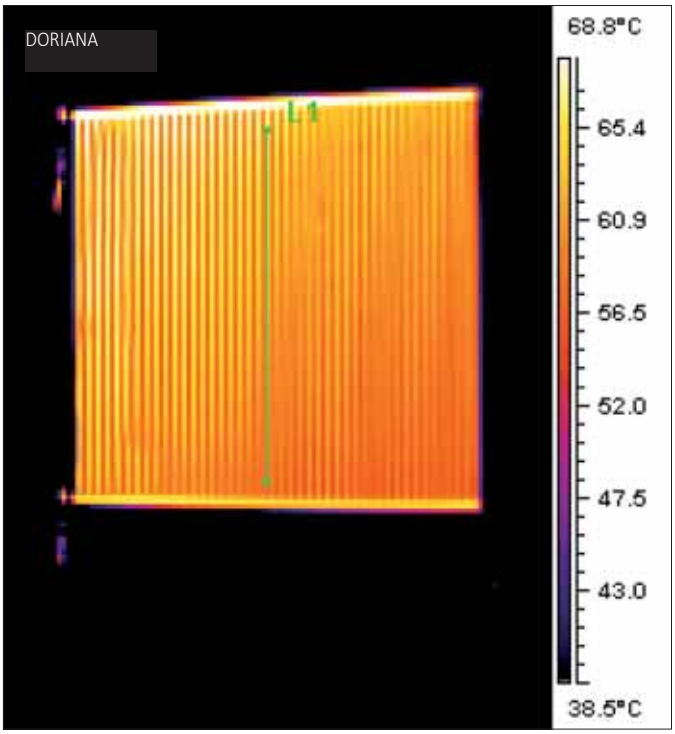
Examples of thermografic analysis for CLAUDIA® and DORIANA models are showed in below graphics.





THERMOGRAFIC ANALYSIS FOR CLAUDIA® RADIATOR
The image shows a Claudia® radiator exposed to thermografic anlysis in our laboratories.
It is easy to notice that the temperature is distributed homogenously as is also shown on the right grafic presenting the numeric values of the superficial temperature observed in line L1.



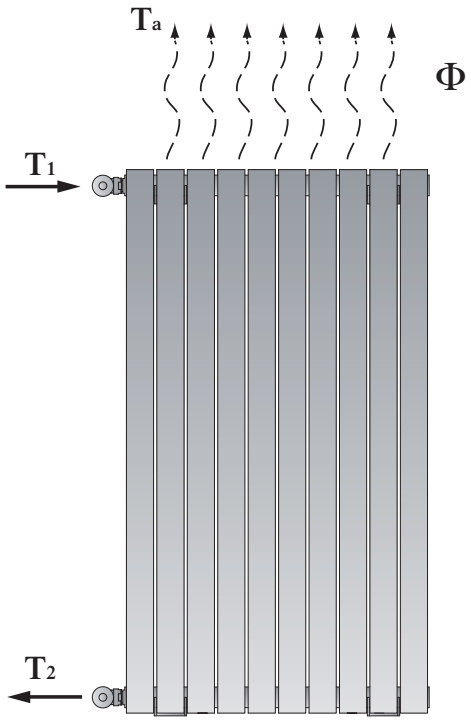


THERMOGRAFIC ANALYSIS FOR DORIANA RADIATOR
The image shows a Doriana radiator variant V3 exposed to thermografic anlysis in our laboratories.
It is easy to notice that the temperature is distributed homogenously as is also shown on the right grafic presenting the regular lowering of temperature in the radiant from top to bottom consequence of the heat transferred to the room.

TECHNICAL FORMULAS FOR PROFESSIONALS

Thermal Output

The power of a radiator to exchange heating in the room where it is installed depends on many factors: shape, size, installation type and so on, and from a pure technical point of view, from the difference between its temperature and the air temperature around it.
It is known in physics that heating is transmitted spontaneously from a hot body to a cold body and this heating transmission is as big as the difference in temperature between the two bodies.
In order to have comparable data between radiators thermal output, it is necessary to established the difference in temperature between the radiator and the environment in which it has been fitted.
On this regard, EN 442 European directive refers to the temperature difference between the average hot water temperature inside the radiator and the room temperature where the radiator is fitted.



T_1 = delivery tempeature

T_2 = back flow temperature

T_a = environment temperature

$$\Delta T = \left(\frac{T_1+T_2}{2}\right) - T_a$$

As example, if:

T_1 = **75°C**

T_2 = **65°C**

T_a = **20°C**

$$\Delta T = \left(\frac{75+65}{2}\right) - 20 = 50°C$$

ΔT it is established at 50°C and the radiator thermal output has to be determined by authorised laboratories according standard procedures, defined by the European directive. As a consequence:

$$\Phi = K_M * \Delta T^n \quad [W]$$

That it is called "Heating Body Typical Equation". Such equation allow to calculate the radiator thermal output according to whatever ΔT In such cases, the radiator thermal output at a different ΔT than 50°C, it is calculated as follows:

$$\Phi_{\Delta T} = K_M * \Delta T^n \qquad \Phi_{\Delta T} = \frac{\Phi_{50}}{50^n} * \Delta T^n$$

To be precise, the directive states that it is necessary to refer to the arithmetic temperature difference (il ΔT definito precedentemente) if as it happens in most cases the relation:

$$\mu = \frac{T_2 - T_a}{T_1 - T_a}$$

It is bigger or equal to 0.7. If the radiator is functioning with low water temperature or big temperature drops, the relations μ is lower than 0.7. In this case, it is necessary to change to the above stated relation the"temperature arithmetic difference" with the "temperature logarithmic difference", defined below:

$$\Delta T = \left[\frac{T_1 - T_2}{\ln \frac{T_1 - T_a}{T_2 - T_a}}\right]$$

Example
If the nominal thermal output of one radiator stated in the catalogue is: $\Phi = 430[W] = 369{,}8[KCal/h]$

and typical equation defined as: $\Phi = 3{,}2967 * \Delta T^{1{,}2451}$

and if we assume to make the radiator functioning at ΔT=60 C° we obtain: $\Phi = 3{,}2967 * 60^{1{,}2451} = 539{,}6[W] \Rightarrow 539{,}6 * 0{,}860 = 464[KCal/h]$

It is possible to state then, that going from ΔT=50 to ΔT=60 the radiator thermal output rise of 25,5%.
If we think to make functioning the same radiator according to the below conditions:

T_1=55 °C T_2=35 °C T_a=20 °C

$$\mu = \frac{35-20}{55-20} = 0{,}429 < 0{,}7 \quad \text{et} \quad \Delta T = \left[\frac{T_1 - T_2}{\ln \frac{T_1 - T_a}{T_2 - T_a}} \right] = \left[\frac{55-35}{\ln \frac{55-20}{35-20}} \right] = 23{,}6\ ^\circ C$$

Applying the above procedure, the thermal output ΔT 23,6 °C it is equal to:

$$\Phi = 3{,}2967 * 23{,}6^{1{,}2451} = 168{,}8[W] \Rightarrow 168{,}8 * 0{,}860 = 142{,}2[KCal/h]$$

We remind that in order to have the thermal output express in Kcal/h, it is necessary to multiply the value in Watt x 0.860.

Calculation of thermal output with Delta T different from 50 °C in column living radiators

To calculate the thermal output in Watt (**W**) with Δt different form 50 °C (Δt_x) you can use the following formula: $W_{\Delta tx} = W_{\Delta t50} \cdot (\Delta t_x / \Delta t_{50})^n$

E.g.: to calculate the thermal output in Watt with **Δt 30** for model ROSY Vertical L 560 mm - H 1600 (that develops 1020 Watt with Exp. n 1,2854):
$W_{\Delta t30} = 1020 \cdot (30/50)^{1.2854} = 529$ **Watt**

Maximum flexibility with CORDIVARI radiators

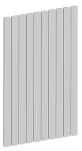
Cordivari radiators range offers many solutions for every need. The following example shows how ROSY Vertical – ROSY TANDEM Vertical – ROSY MAX can satisfy the same need of around 1500 watt thermal output.

T_1 = Temperature of inlet water

T_2 = Temperature of outlet water

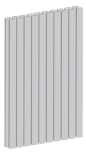
T_A = Room temperature

Height [mm]	WIDTH [mm]	Elements n°	ΔT	Output Watt	T_1	T_2	T_A
1800	728	13	**50 °C**	1482	75 °C	65 °C	20 °C



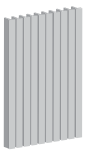
ROSY VT
(H 1800 x L 728)

Height [mm]	WIDTH [mm]	Elements n°	ΔT	Output Watt	T_1	T_2	T_A
1800	728	13	**40 °C**	1591	65 °C	55 °C	20 °C



ROSY TANDEM VT
(H 1800 x L 728)

Height [mm]	WIDTH [mm]	Elements n°	ΔT	Output Watt	T_1	T_2	T_A
1800	728	13	**30 °C**	1690	55 °C	45 °C	20 °C



ROSY MAX
(H 1800 x L 728)

NOTE: Above data are indicative and can vary in accordance to the type of installation, energy source and market practice.







http://www.cordivari.com/

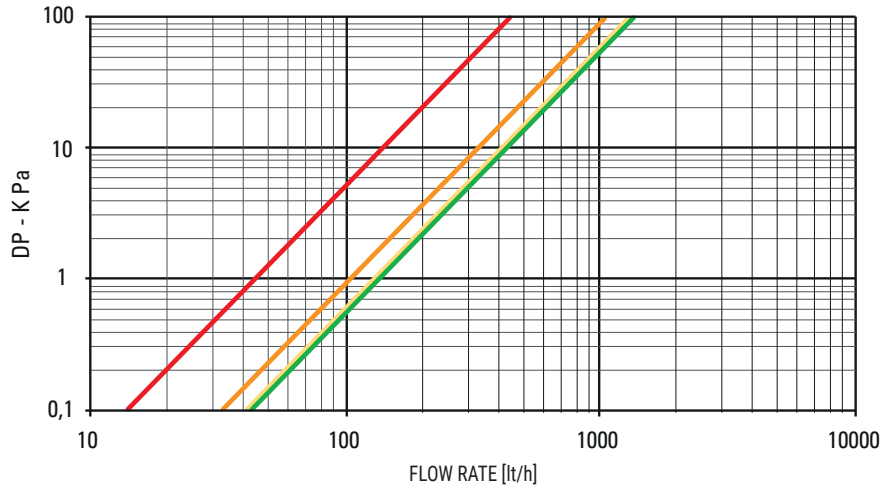
DOWNLOAD AREA

PDF CATALOGUE - 3D MODELS - TECHNICAL SHEETS

KRISTAL VALVE FLOW RESISTANCE

The following diagrams allow to calculate Cordivari valves flow resistance. The flow resistance is defined as the drop in pressure (express in KPa) that happened inside the valve due to the water (express in l/h) passing by.

Coefficient Kv, on the below diagrams, states the flow rate in m3/h that is passing by the valve, with a pressure difference of 1 bar.

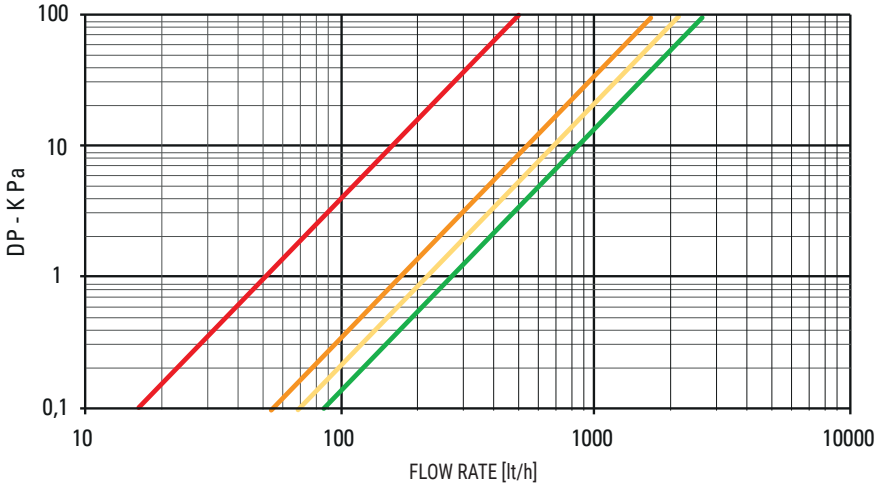


VALVE KRISTAL STRAIGHT
PIPE CENTRES 50 MM

- 1/2 TURN - KV 0,44
- 1 TURN - KV 1,04
- 1 1/2 TURN - KV 1,28
- OPEN - KV 1,31



MANUAL
PIPE CENTRES 50 MM
STRAIGHT



VALVE KRISTAL
MANUAL PIPE CENTRES 50 SQUARE

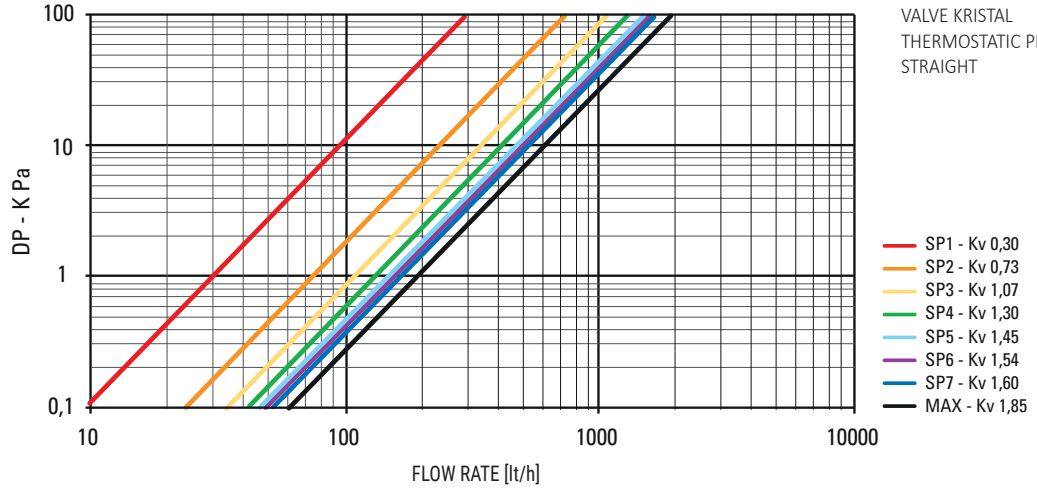
- 1/2 TURN - Kv 0,30
- 1 TURN - Kv 0,68
- 1 1/2 TURN - Kv 0,95
- OPEN - Kv 1,14



MANUAL
PIPE CENTRES 50 MM
SQUARE

The different coloured line indicate different opening levels of the thermostatic head.

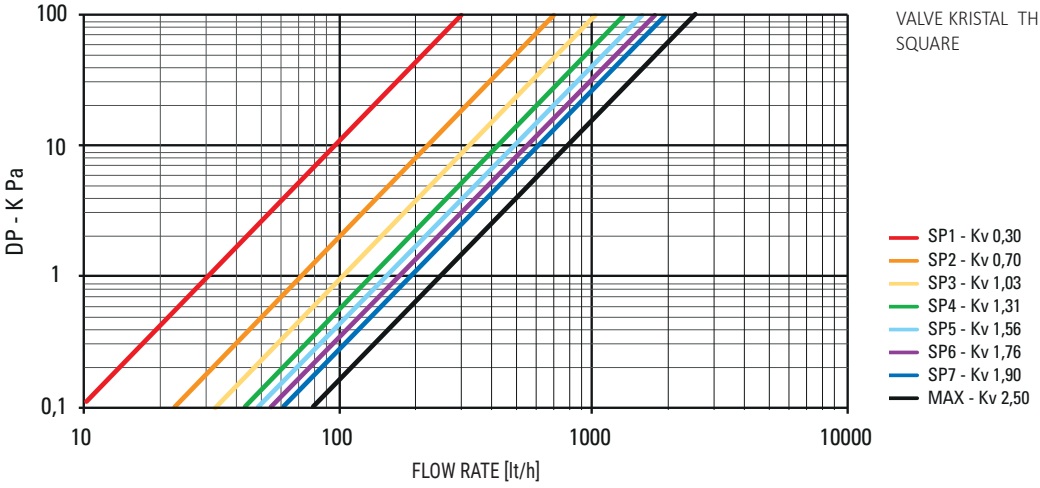
KRISTAL VALVE FLOW RESISTANCE



VALVE KRISTAL
THERMOSTATIC PIPE CENTRES 50 MM
STRAIGHT



MANUAL
PIPE CENTRES 50 MM
STRAIGHT



VALVE KRISTAL THERMOSTATIC PIPE CENTRES 50 MM
SQUARE



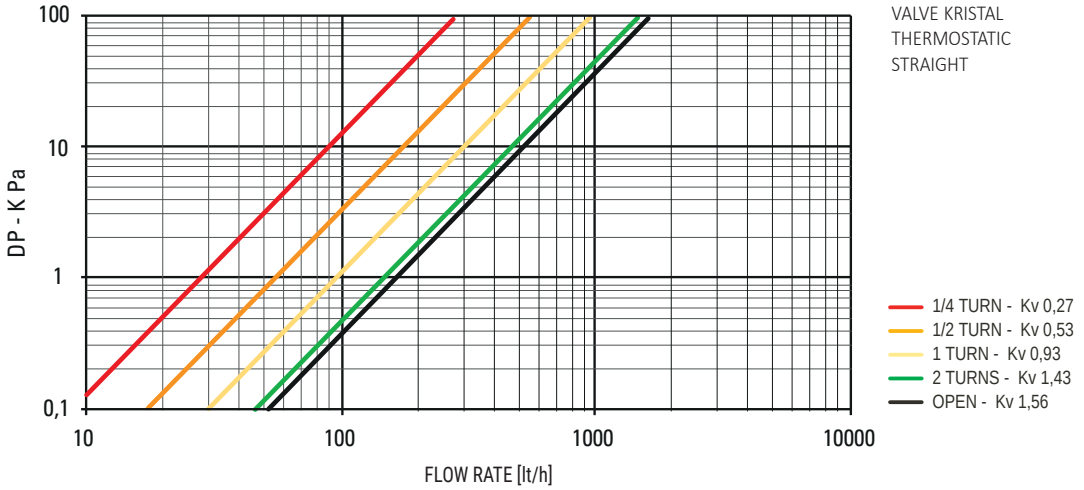
THERMOSTATIC PIPE
CENTRES 50 MM
SQUARE

The different coloured line indicate different opening levels of the thermostatic head.

KRISTAL VALVE FLOW RESISTANCE

The following diagrams allow to calculate Cordivari valves flow resistance. The flow resistance is defined as the drop in pressure (express in KPa) that happened inside the valve due to the water (express in l/h) passing by.

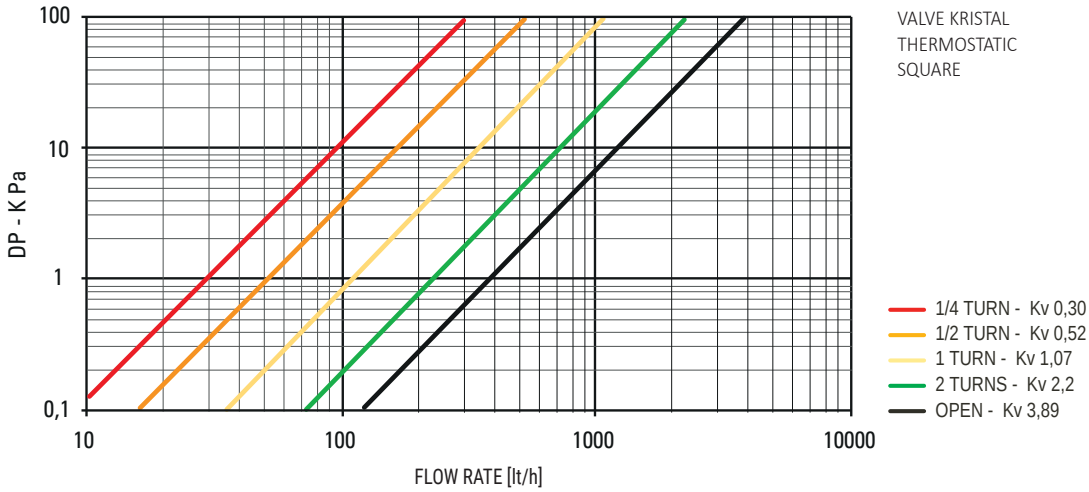
Coefficient Kv, on the below diagrams, states the flow rate in m3/h that is passing by the valve, with a pressure difference of 1 bar.



VALVE KRISTAL
THERMOSTATIC
STRAIGHT



THERMOSTATIC
STRAIGHT



VALVE KRISTAL
THERMOSTATIC
SQUARE

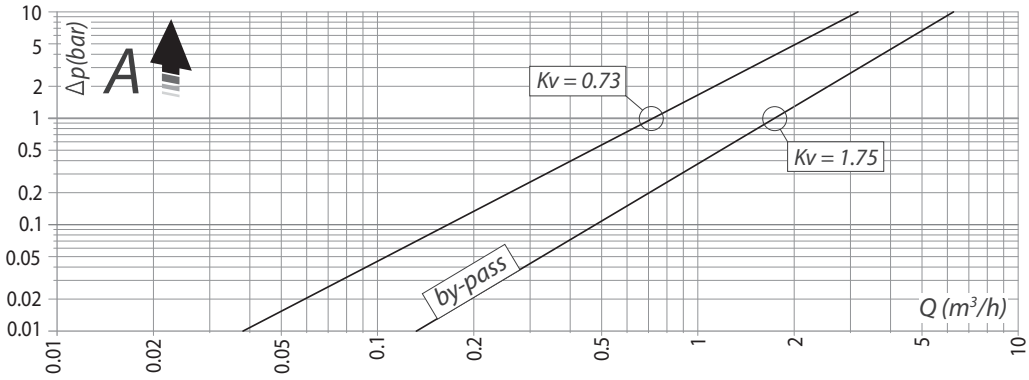


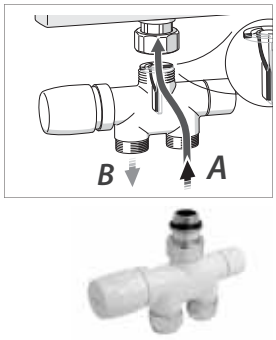
THERMOSTATIC
SQUARE

BIDIRECTIONAL VALVE FLOW RESISTANCE

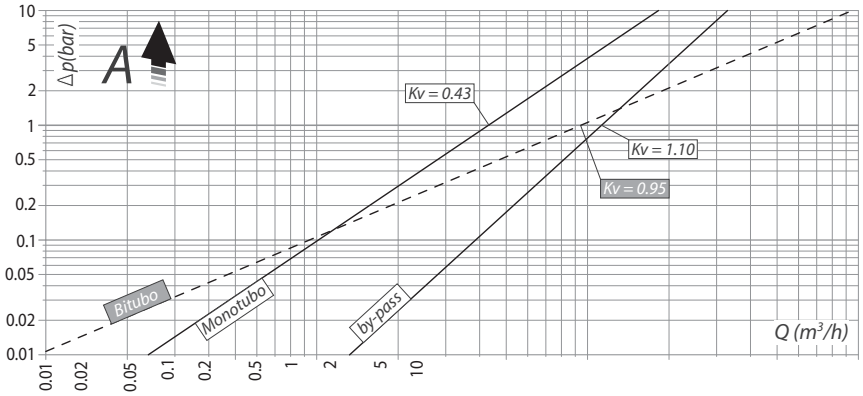
The following diagrams allow to calculate Cordivari valves flow resistance. The flow resistance is defined as the drop in pressure (express in KPa) that happened inside the valve due to the water (express in l/h) passing by.

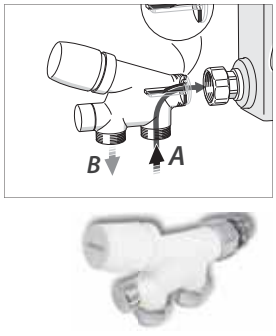
Coefficient Kv, on the below diagrams, states the flow rate in m3/h that is passing by the valve, with a pressure difference of 1 bar.





VALVE BIDIRECTIONAL UNDERNEATH INLET





VALVE BIDIRECTIONAL LATERAL INLET

PRODUCTS CERTIFICATES



POLITECNICO DI MILANO - DIPARTIMENTO DI ENERGIA

Laboratorio Misure Ricerche Termotecniche M.R.T.

Test report from MRT (Politecnico of Milan-Italy)

Determination of thermal output according to the standard EN 442-1 and EN 442-2, relevant characteristic formula, nominal power expressed in Watt a ΔT 50°C.



POLITECNICO DI MILANO - DIPARTIMENTO DI ENERGIA

Laboratorio Misure Ricerche Termotecniche M.R.T.

NORMA EUROPEA EN 442/2014

Test report from MRT (Politecnico of Milan-Italy)

Determination of thermal output according to the standard EN 442-1 and EN 442-2, relevant characteristic formula, nominal power expressed in Watt a ΔT 50°C.



POLITECNICO DI MILANO - DIPARTIMENTO DI ENERGETICA

Laboratorio Misure Ricerche Termotecniche M.R.T.

Test report from MRT (Politecnico of Milan-Italy)

Determination of working pressure and working temperature according to the standard EN 442-1 and EN 442-2

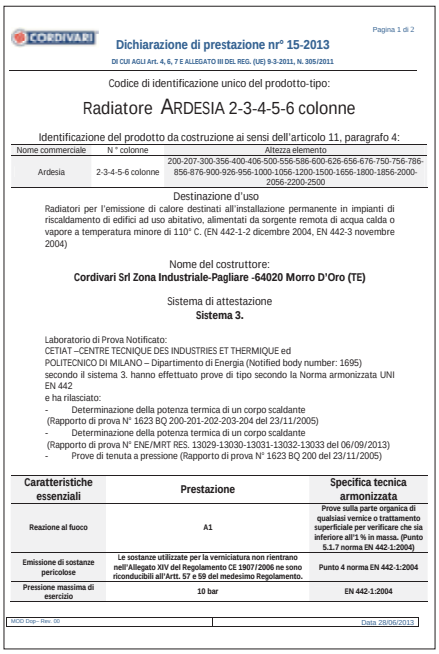


POLITECNICO DI MILANO - DIPARTIMENTO DI ENERGETICA

Laboratorio Misure Ricerche Termotecniche M.R.T.

Test report from MRT (Politecnico of Milan-Italy)

Determination of thermal output according to the standard EN 442-1 and EN 442-2, relevant characteristic formula, nominal power expressed in Watt a ΔT 50°C.



CORDIVARI

Pagina 1 di 2

Dichiarazione di prestazione nr° 15-2013

DI CUI AGLI Art. 4, 6, 7 E ALLEGATO III DEL REG. (UE) 9-3-2011, N. 305/2011

Codice di identificazione unico del prodotto-tipo:

Radiatore ARDESIA 2-3-4-5-6 colonne

Identificazione del prodotto da costruzione ai sensi dell'articolo 11, paragrafo 4:

Nome commerciale	N ° colonne	Altezza elemento
Ardesia	2-3-4-5-6 colonne	200-207-300-356-400-406-500-556-586-600-626-656-676-750-756-786-856-876-900-926-956-1000-1056-1200-1500-1656-1800-1856-2000-2056-2200-2500

Destinazione d'uso

Radiatori per l'emissione di calore destinati all'installazione permanente in impianti di riscaldamento di edifici ad uso abitativo, alimentati da sorgente remota di acqua calda o vapore a temperatura minore di 110° C. (EN 442-1-2 dicembre 2004, EN 442-3 novembre 2004)

Nome del costruttore:

Cordivari Srl Zona Industriale-Pagliare -64020 Morro D'Oro (TE)

Sistema di attestazione

Sistema 3.

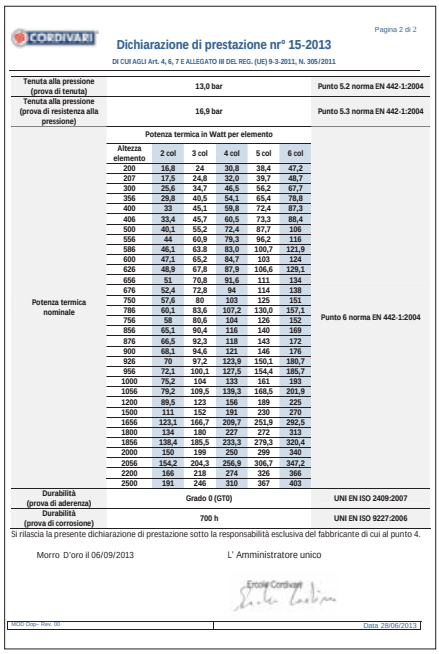
Laboratorio di Prova Notificato:
CETIAT –CENTRE TECNIQUE DES INDUSTRIES ET THERMIQUE ed
POLITECNICO DI MILANO – Dipartimento di Energia (Notified body number: 1695)
secondo il sistema 3. hanno effettuato prove di tipo secondo la Norma armonizzata UNI EN 442
e ha rilasciato:
- Determinazione della potenza termica di un corpo scaldante (Rapporto di prova N° 1623 BQ 200-201-202-203-204 del 23/11/2005)
- Determinazione della potenza termica di un corpo scaldante (Rapporto di prova N° ENE/MRT RES. 13029-13030-13031-13032-13033 del 06/09/2013)
- Prove di tenuta a pressione (Rapporto di prova N° 1623 BQ 200 del 23/11/2005)

Caratteristiche essenziali	Prestazione	Specifica tecnica armonizzata
Reazione al fuoco	A1	Prove sulla parte organica di qualsiasi vernice o trattamento superficiale per verificare che sia inferiore all'1 % in massa. (Punto 5.1.7 norma EN 442-1:2004)
Emissione di sostanze pericolose	Le sostanze utilizzate per la verniciatura non rientrano nell'Allegato XIV del Regolamento CE 1907/2006 ne sono riconducibili all'Artt. 57 e 59 del medesimo Regolamento.	Punto 4 norma EN 442-1:2004
Pressione massima di esercizio	10 bar	EN 442-1:2004

MOD Dop– Rev. 00 | Data 28/06/2013

DOP - DECLARATION OF PERFORMANCE

Declaration of performance according to REG 305/2011



CORDIVARI

Pagina 2 di 2

Dichiarazione di prestazione nr° 15-2013

DI CUI AGLI Art. 4, 6, 7 E ALLEGATO III DEL REG. (UE) 9-3-2011, N. 305/2011

Tenuta alla pressione (prova di tenuta)	13,0 bar						Punto 5.2 norma EN 442-1:2004
Tenuta alla pressione (prova di resistenza alla pressione)	16,9 bar						Punto 5.3 norma EN 442-1:2004
Potenza termica nominale	Potenza termica in Watt per elemento						Punto 6 norma EN 442-1:2004
	Altezza elemento	2 col	3 col	4 col	5 col	6 col	
	200	16,8	24	30,8	38,4	47,2	
	207	17,5	24,8	32,0	39,7	48,7	
	300	25,6	34,7	46,5	56,2	67,7	
	356	29,8	40,5	54,1	65,4	78,8	
	400	33	45,1	59,8	72,4	87,3	
	406	33,4	45,7	60,5	73,3	88,4	
	500	40,1	55,2	72,4	87,7	106	
	556	44	60,9	79,3	96,2	116	
	586	46,1	63,8	83,0	100,7	121,9	
	600	47,1	65,2	84,7	103	124	
	626	48,9	67,8	87,9	106,6	129,1	
	656	51	70,8	91,6	111	134	
	676	52,4	72,8	94	114	138	
	750	57,6	80	103	125	151	
	786	60,1	83,6	107,2	130,0	157,1	
	756	58	80,6	104	126	152	
	856	65,1	90,4	116	140	169	
	876	66,5	92,3	118	143	172	
	900	68,1	94,6	121	146	176	
	926	70	97,2	123,9	150,1	180,7	
	956	72,1	100,1	127,5	154,4	185,7	
	1000	75,2	104	133	161	193	
	1056	79,2	109,5	139,3	168,5	201,9	
	1200	89,5	123	156	189	225	
	1500	111	152	191	230	270	
	1656	123,1	166,7	209,7	251,9	292,5	
	1800	134	180	227	272	313	
	1856	138,4	185,5	233,3	279,3	320,4	
	2000	150	199	250	299	340	
	2056	154,2	204,3	256,9	306,7	347,2	
	2200	166	218	274	326	366	
	2500	191	246	310	367	403	
Durabilità (prova di aderenza)	Grado 0 (GT0)						UNI EN ISO 2409:2007
Durabilità (prova di corrosione)	700 h						UNI EN ISO 9227:2006

Si rilascia la presente dichiarazione di prestazione sotto la responsabilità esclusiva del fabbricante di cui al punto 4.

Morro D'oro il 06/09/2013

L' Amministratore unico

Ercole Cordivari

MOD Dop– Rev. 00 | Data 28/06/2013

DOP - DECLARATION OF PERFORMANCE

Declaration of performance according to REG 305/2011

PRODUCTS CERTIFICATES



Test report from MRT (Politecnico of Milan-Italy)

Thermal output, hydraulic pressure test.



Test report from MRT (Politecnico of Milan-Italy)

Thermal output, hydraulic pressure test.



Test report from MRT (Politecnico of Milan-Italy)

Thermal output, hydraulic pressure test.

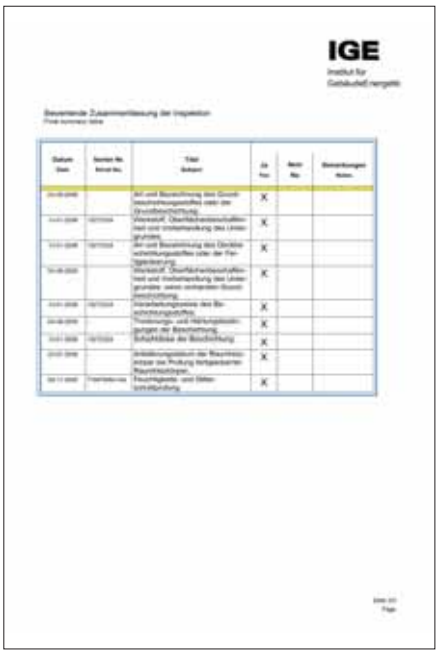
Painting process certification According to Din 55900-1, -2



Certificato di conformità

Attestazione del laboratorio HLK (Università di Stoccarda) alla norma DIN 55900-1, 55900-2.





PRODUCTS CERTIFICATES

Examples of test conducted in Politecnico of Milan laboratory and CE conformity declaration



CETIAT

CE

Attestation CE de Type / *CE de Type examination*

Directive Produit de Construction
Construction Product Directive

N° 1623 BQ 183

Le CETIAT, après examen et vérification des rapports d'essais, des certificats et des déclarations fournis par le fabricant, certifie que la gamme de / CETIAT, *after examination and verification of the test reports, certificates and declarations furnished by the manufacturer, certifies that the range of*:

Radiateurs / Radiators

Fabriqués par / *Manufactured by* :
(Nom société / Name of company / Adresse du site de production / *Address of production site*)

CORDIVARI S.r.l
Zona Industriale Pagliare
64020 MORRO D'ORO (TE) – ITALIE

Marque commerciale et famille / (*Trade mark and family*) :

CORDIVARI - DORIANA VERTICAL

Désignation et modèles / *Designation and model* :

Tubulaire à éléments verticaux - Acier / Sectional vertical radiators - Steel
(voir annexe pour les modèles de la gamme/ *See annex for the models of the range*)

est conforme aux exigences essentielles de la **Directive Produit de Construction** / *complies with the essential requirements of the* **Product of Construction**

Fait à Villeurbanne
(4) Novembre 2009

Responsable du marquage CE
Alain METTER

CENTRE TECHNIQUE DES INDUSTRIES AÉRAULIQUES ET THERMIQUES

CE Declaration of conformity EN 442-1



POLITECNICO DI MILANO - DIPARTIMENTO DI ENERGETICA
Laboratorio Misure Ricerche Termotecniche M.R.T.

NORMA/ REFERENCE/ REFERENCE/ REFERENZ/ REFERENCIA : EN 442-1 & EN 442-2

RAPPORTI DI PROVA/ RAPPORTS D'ESSAI/ TESTS REPORT/
PRÜFBERICHT/ INFORME DE PRUEBAS

Sommario/ Sommaire/ Summary/ Inhalt/ Resumen

1) ENE/MRT.RAP.05108
Determinazione della potenza termica di un corpo scaldante/
Détermination de la puissance thermique d'un corps de chauffe/
Determination of the heat output of a heating emitter/
Bestimmung der Wärmeleistung eines Heizkörpers/
Determinación de la salida de calor de un emisor de la calefacción.

2) ENE/MRT.RAP.05108/P
Prova di tenuta a pressione/ Epreuve de tenue a la pression/
Pressure testing/ Druck/Prüfung/ Prueba de presión.

3) ENE/MRT.RAP.05108/UP
Prova perdita di carico/ Epreuve de chute de pression/
Drop pressure test/ Trupfendruck/Prüfung/ Prueba de presión de la gota.

Il Responsabile della Prova
Operator

Il Responsabile del Laboratorio
Laboratory Manager

Il Direttore del Dipartimento
Institut Director

P.I. Claudio Turini

Prof. Ing. Renzo Marchesi

Prof. Ing. Carlo Cravero

Test report from MRT (Politecnico of Milan-Italy)
Thermal output, hydraulic pressure test.



POLITECNICO DI MILANO - DIPARTIMENTO DI ENERGETICA
Laboratorio Misure Ricerche Termotecniche M.R.T.

NORMA/ REFERENCE/ REFERENCE/ REFERENZ/ REFERENCIA : EN 442-1 & EN 442-2

Determinazione della potenza termica di un corpo scaldante/ Détermination de la puissance thermique d'un corps de chauffe / Determination of the heat output of a heating emitter / Bestimmung der Wärmeleistung eines Heizkörpers/ Prueba termica de un aparato de calefaccion.

Data (ore non-nuove/ferie) : 19/08/2005

Richiedente/ Demandeur/ Applicant/ Antragsteller/ Solicitante : CORDIVARI S.r.l.

Indirizzo/ Adresse/ Address/ Anschrift/ Dirección : Zona Industriale Pagliare
64020 – Morro D'Oro (TE)

Corpo scald./ Appareil de chauffage/ Heating appliance/ Heizkörper/ Aparato de Calefaccion

Marca/ Appareil/ Commercial de construction/ Manufacturer's trademark : CORDIVARI

Materiale/ Matériel/ Material/ Werkstoff/ Material : Acciaio/ Steel

Altezza/ Hauteur/ Height/ Höhe/ Altura : mm 1400

Lunghezza/ Longueur/ Length/ Länge/ Longitud : mm 500

Profondità/ Profondeur/ Depth/ Tiefe/ Profundo : mm 80

N° elementi/ Nombre d'éléments/ Number of sections/ Anzahl der Glieder/ N° de elementos : 1 (1 corpo/ 1 body/ 1 cuerpo)

Contenuto d'acqua/ Contenance en eau/ Water content/ Wasser inhalt/ Contenido de agua : kg 3,3

Massa/ Masse/ Mass/ Masse/ Masa : kg 19,7

Disegno/ Dessin/ Drawing/ Zeichnung/ Plano : n° / nbr / 197.00.07.2 / 4.0.07.2005

Risultati della prova / Résultats de l'essai / Test results / Ergebnisse/ Resultados de la prueba

Equazione caratteristica/ Equation caractéristique/ Characteristic equation/ Kennlinie/ Ecuación característica :

$\Phi = K_m \cdot \Delta T^n \cdot \varphi^s$

$K_m = 3,7109$ $n = 1,24117$ $s = 0,0$

Potenza Nominale (ΔT=50 K) del modello provato: / Puissance du modèle essayé / Thermal output of the tested model / Potencia del modelo probado: 477 W

Test report from MRT (Politecnico of Milan-Italy)

Determination of thermal output according to the standard EN 442-1 and EN 442-2, relevant characteristic formula, nominal power expressed in Watt a ΔT 50°C.



POLITECNICO DI MILANO - DIPARTIMENTO DI ENERGETICA
Laboratorio Misure Ricerche Termotecniche M.R.T.

NORMA/ REFERENCE/ REFERENCE/ REFERENZ/ REFERENCIA : EN 442-1 & EN 442-2

Test di tenuta a pressione n°/ Epreuve de tenue à pression No/
Pressure testing n°/ Druck/Prüfung N°/ Prueba de presión n°: ENE/MRT.RAP.05190/P

Massima pressione d'esercizio/ Pression de service maximale/ Maximum working pressure/ Maximum Betriebsdruck/ Máxima presión de funcionamiento	kPa	800	
Prova di tenuta/ Essai d'étanchéité/ Leak test/ Dichtheitprüfung/ Prueba de escape. (EN 442-1 / § 5.3)			
Pressione di prova/ Pression d'épreuve/ Test pressure/ Prüfdruck/ Presión de Prueba	kPa	1040	
Tenuta/ Etanchéité/ Tightness/ Dichtheit/ Resultado			Ok
Prova di resistenza/ Epreuve de résistance/ Strenght pressure testing/ Prüfung der druckfestigkeit/ Prueba de resistencia (EN 442-1 / § 5.3)			
Pressione di prova/ Pression d'épreuve/ Test pressure/ Prüfdruck	kPa	1560	
Tenuta alla pressione/ Tenue à la pression/ Behavior to pressure/ Druckfestigkeit/ Comportamiento a la presión			Ok
I carrelli planetari/ I carrelli fissi/ Gli altri campioni/ Planetary carriages/ Fixed carriages/ Other samples (EN 442-2 / § 5.2)			
I carrelli/ Les chariots/ The carriages (EN 442-2 / § 5.2)			Ok
I carrelli/ Les chariots/ The carriages (EN 442-2 / § 5.2)			Ok

Il Responsabile della Prova
Operator

P.I. Claudio Turini

Test report from MRT (Politecnico of Milan-Italy)

Determination of thermal output according to the standard EN 442-1 and EN 442-2, relevant characteristic formula, nominal power expressed in Watt a ΔT 50°C.



CORDIVARI

Dichiarazione di prestazione nr° 97-2016
DI CUI AGLI Art. 4, 6, 7 E ALLEGATO III DEL REG. (UE) 9-3-2011, N. 305/2011

Pagina 1 di 2

Codice di identificazione unico del prodotto-tipo:

Radiatore Anna

Identificazione del prodotto da costruzione ai sensi dell'articolo 11, paragrafo 4:

Nome commerciale	Larghezza	Altezza
Anna	400-450 -500-600	840-1160-1454-1775

Destinazione d'uso

Radiatori per l'emissione di calore destinati all'installazione permanente in impianti di riscaldamento di edifici ad uso abitativo, alimentati da sorgente remota di acqua calda o vapore a temperatura minore di 110° C. (EN 442-1-2 dicembre 2004, EN 442-3 novembre 2004)

Nome del costruttore :
Cordivari Srl Zona Industriale-Pagliare -64020 Morro D'Oro (TE)

Sistema di attestazione
Sistema 3.

Laboratorio di Prova Notificato:
Politecnico di Milano – Dipartimento di Energia (Notified body number: 1695)
secondo il sistema 3. ha effettuato prove di tipo secondo la Norma armonizzata UNI EN 442

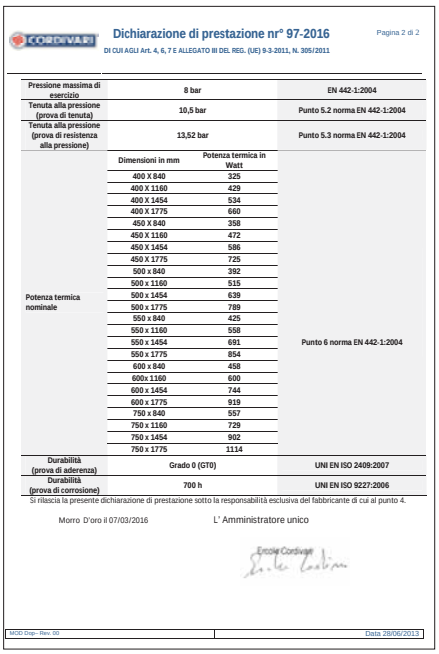
e ha rilasciato:
Determinazione della potenza termica di un corpo Rapporto di prova ENE/MRT.RAP.16092 del 14/03/2016)
- Prove di tenuta a pressione (Rapporto di prova ENE/MRT.RAP.16092/P del 14/03/2016)

Caratteristiche essenziali	Prestazione	Specifica tecnica armonizzata
Reazione al fuoco	A1	Prove sulla parte organica di qualsiasi vernice o trattamento superficiale per verificare che sia inferiore all'1 % in massa. (Punto 5.1.7 norma EN 442-1:2004)
Emissione di sostanze pericolose	Le sostanze utilizzate per la verniciatura non rientrano nell'Allegato XIV del Regolamento CE 1907/2006 ne sono riconducibili all'Artt. 57 e 59 del medesimo Regolamento.	Punto 4 norma EN 442-1:2004

MOD Dop– Rev. 00 | Data 28/06/2013

DOP- DECLARATION OF PERFORMANCE

Declaration of performance according to REG 305/2011



CORDIVARI

Dichiarazione di prestazione nr° 97-2016
DI CUI AGLI Art. 4, 6, 7 E ALLEGATO III DEL REG. (UE) 9-3-2011, N. 305/2011

Pagina 2 di 2

Pressione massima di esercizio	8 bar	EN 442-1:2004
Tenuta alla pressione (prova di tenuta)	10,5 bar	Punto 5.2 norma EN 442-1:2004
Tenuta alla pressione (prova di resistenza alla pressione)	13,52 bar	Punto 5.3 norma EN 442-1:2004
Potenza termica nominale	Dimensioni in mm / Potenza termica in Watt	Punto 6 norma EN 442-1:2004
	400 X 840 / 325	
	400 X 1160 / 429	
	400 X 1454 / 534	
	400 X 1775 / 660	
	450 X 840 / 358	
	450 X 1160 / 472	
	450 X 1454 / 586	
	450 X 1775 / 725	
	500 x 840 / 392	
	500 x 1160 / 515	
	500 x 1454 / 639	
	500 x 1775 / 789	
	550 x 840 / 425	
	550 x 1160 / 558	
	550 x 1454 / 691	
	550 x 1775 / 854	
	600 x 840 / 458	
	600x 1160 / 600	
	600 x 1454 / 744	
	600 x 1775 / 919	
	750 x 840 / 557	
	750 x 1160 / 729	
	750 x 1454 / 902	
	750 x 1775 / 1114	
Durabilità (prova di aderenza)	Grado 0 (GT0)	UNI EN ISO 2409:2007
Durabilità (prova di corrosione)	700 h	UNI EN ISO 9227:2006

Si rilascia la presente dichiarazione di prestazione sotto la responsabilità esclusiva del fabbricante di cui al punto 4.

Morro D'oro il 07/03/2016

L' Amministratore unico

Ercole Cordivari

MOD Dop– Rev. 00 | Data 28/06/2013

DOP- DECLARATION OF PERFORMANCE

Declaration of performance according to REG 305/2011

COMPANY SYSTEM CERTIFICATES



ENVIRONMENT SYSTEM CERTIFICATE UNI EN ISO 14001



QUALITY SYSTEM CERTIFICATE UNI EN ISO 9001

Cordivari has always had among its goals:
- Continual improvement of its products
- Minimal environmental impacts
- Achievement of total quality

Cordivari worked out in order to obtain the most important certifi cations showing the company engagement towards of its internal system and external environment.

CE RADIATORS MARK

CE mark of radiators is the compliance to the minimal security requirements of European Directive of Standard 89/106/CEE and to the relevant EN 442-1-2-3.
The CE mark for radiators is compulsory since 01/12/2005.

The main features and tests are:
- Thermal output with relevant heat loss and characteristic formula tested by a certifi ed laboratory as CETIAT, MRT and HLK.
- Conformity to the directive 76/769/CEE regulating the use of dangerous substances during painting process.
- Fire resistance according to EN 13501-1
- Corrosion resistance, endurance in humid atmosphere (min. 100 hours)
- Pressure test

The symbol of CE mark, in conformity to the directive 93/68/CEE, together to other technical information, is applied on the product and on its packaging.

Main Standards regulating the construction of design radiators

UNI EN 442-1:2015
Radiators and convectors – Part 1 : Technical specifi cations and requirements

UNI EN 442-2:2015
Radiators and convectors – Part 2: Test and evaluation methods

UNI EN 13501-1:2005
Fire class of products and construction parts.

CPR 305/2011
REGULATION (UE) N. 305/2011 OF THE EUROPEAN PARLIAMENT AND COUNCIL ON MARCH 9TH 2011 which regulates the trade of building products and abrogates Council Directive 89/106/CEE.

76/769/CEE
Directive on use and market of some dangerous substances.

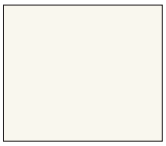
93/68/CEE
CE mark

VDI 6036:2012
Radiators fixing kit conformity certification according to VDI 6036:2012

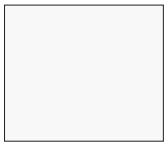
COLOURS

Standard

On demand

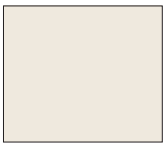


RAL 9010 - R01
Bianco
Pure White



RAL 9016 - R02
Bianco Traffico
Traffic White

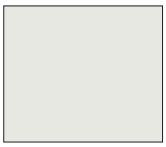
Lucidi
Glossy



RAL 9001 - R14
Crema
Cream



S20
Jasmine



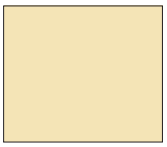
S03
Pergamon



S16
Canary



RAL 1013 - R40
Pearl White



S10
Anemone



RAL 1021 - R05
Giallo Acceso
Yellow Rape



RAL 1004 - R06
Giallo Oro
Gold



H04
Ghiaccio
Ice



H42
Grotta Azzurra
Blue Grotto



H09
Lago
Lake



RAL 5015 - R11
Blu Cielo
Blue Sky



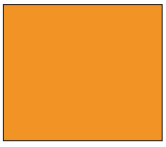
RAL 5017 - R18
Blu Oltremare
Overseas Blue



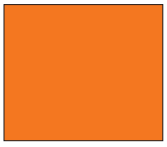
RAL 5022 - R19
Blu Notte
Blue Night



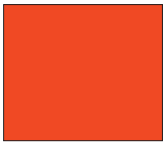
RAL 9005 - R13
Nero
Jet Black



H24
Mango



H25
Mandarino
Tangerine



RAL 2004 - R16
Arancio
Pure Orange



H27
Rosso Vivo
Bright Red



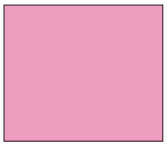
RAL 3003 - R08
Rosso Rubino
Ruby Red



RAL 4008 - R25
Viola
Purple



H53
Lilla Acceso
Bright Lilac



H55
Pink Panther



S13
Rosa Sussurrato
Light Pink



RAL 6019 - R26
Weissgrün
Light Green



H30
Mela Verde
Green Apple



RAL 6002 - R20
Verde Foglia
Green Leaf



RAL 8017 - R09
Testa di Moro
Dark Brown



S17
Bahama Beige



H48
Tortora
Dove



H56
Pietra Lavica
Lavic Stone



S07
Grafite
Graphite



RAL 7030 - R22
Grigio Pietra
Stone Grey



S02
Manhattan



RAL 7001 - R21
Grigo Argento
Silver Grey



R27
Grigio Metallizzato
Metal Grey

Wavy



W01
Notturno



W02
Carbone
Carbon

W03
Dolomite

W05
Fiocco neve
Snowflake

R31
Ivory

Opachi Matt

T01
Nero Opaco
Matt Black

T10
Beige Opaco
Matt Beige

T11
Bianco Opaco
Matt White

T12
Grigio Chiaro Opaco
Matt Light Grey

T13
Grigio Opaco
Matt Grey

T14
Marrone Opaco
Matt Brown

T15
Tela Opaco
Tela

New

T16
London Grey 7016

Melange

M01
Gold Black

M02
Black Brown

M04
Black Silver 2

M06
Gold White

Special Finishing

F06
Nero Ruvido Metallizzato
Metal Rough Black

F15
Nero Brillante Metallizzato
Metal Sparkling Black

F04
Grigio Grafite
Graphite Grey

F03
Antracite Metallizzato
Metal Antracite

F09
Grigio Alba Matallizzato
Graphite Grey

F07
Effetto Argento
Silver Effect

F20
Milky

F22
Oro Classico
Classic Gold

F14
Effetto Bronzo Antico
Old Bronze Effect

F24
Black Star

F23
Sparkling Grey

F25
Quartz Dust

F27
Moonshine

F26
Dark Aluminium

New

F30
White Sand

New

F38
Sandstone

New

F34
Red Sand

New

F31
Corten Brown

New

F36
Terra

New

F35
Forest Green

New

F33
Emerald Sand

New

F32
Grey Sky

New

F37
Denim Blue

New



F28
Ardesia® Shiny Transparent

ARDESIA® SHINY TRANSPARENT
On request exclusively on tubular radiator Ardesia® you can have the new transparent SHINY TRANSPARENT finish. A finish that will enhance the modern environments extolling the technical and constructive characteristics of tubular radiator Ardesia®..

Lucidi/Glossy
Opachi/Matt
Special Finishing
Melange
Wavy
+30%

Ardesia®
Shiny Transparent
+40%

PLEASE REFER TO CORDIVARI COLOURS CHART, IN ORDER TO SEE THE REAL COLOUR.

GENERAL SALES CONDITIONS AND WARRANTY

Sales of Cordivari's products are made according to the conditions listed below. Exceptions should be accorded in written by Cordivari Srl.

1. SHIPMENT
Goods are transported at buyer's risk and peril, even if they are shipped free of carriage. Goods have to be checked at the delivery about unaltered packaging, missing or confused products in the presence of the forwarder. Any claim has to be immediately communicated to the forwarder by appointing the shipment's document and by registered mail within 8 days from receipt of the goods (otherwise Cordivari Srl is cleared of his responsibilities).

2. DELIVERY TERMS
Delivery terms are indicative. Failure to comply with the agreed delivery terms for any reasons will not entitle the buyer to any compensation, cancellation or modification of the order without our prior consent. In case of strikes, lack in raw materials, or any other Act of God, Cordivari Srl reserves the right to decide proper countermeasures; in this case Cordivari Srl should be considered exempted from any responsibility. Shall ordered goods not be collected within agreed date, the same will be invoiced and stored with risks and costs charged to the customer.

3. DRY WEIGHT, MEASURES, SURFACES
Dry Weights, measures, surfaces, shapes, sizes, images and other figures related to the products are merely indicative and Cordivari Srl may at any time modify them.

4. ORDER CANCELLATION OR MODIFICATION
All orders are valid only if accepted in written form by Cordivari Srl .
No orders shall be cancelled even partially without the consent of Cordivari Srl. It will not be possible to modify the order when the production has already started. Some cost due to the modifications or cancellation will be charge to the buyer.

5. RADIATORS/ACCESSORIES WARRANTY ON CONSTRUCTION DEFECTS
For Ardesia® tubular radiators and Claudia towel rail (hot water version) Cordivari Srl offers 5 years warranty. The Ardesia® range in the finishing F28 TRANSPARENT SHINY warranty period is 2 years.
- For towel rails and single column living radiators Cordivari Srl offers warranty terms and period according to the national law following the directive for warranties 1999/44/CE, only if radiators are installed in closed heating system.
- For towel rails and single column living radiators line in stainless steel Cordivari Srl offers 10 years warranty, only if radiators are installed in closed heating system.
- All electric radiators (stainless steel and mild steel) Cordivari Srl offers warranty terms and period according to the national law following the directive for warranties 1999/44/CE.
- For accessories, customized products according to clients' requirements and other items not listed in present sales and warranty conditions, Cordivari Srl offers warranty terms and period according to the national law following the directive for warranties 1999/44/CE, except for electrical and electronic components for which the warranty is 12 months.
- All the products in this catalogue are designed and made according to European Directives CE, EN, UNI, etc.

Warranty and conformity of these products are valid only in countries that apply such regulations. For Extra UE countries, or that do not follow these regulations, Cordivari Srl is not responsible for warranty and conformity.

WARRANTY WILL BE APPLICABLE AT THE FOLLOWING CONDITIONS:
- The warranty period starts with the date of the delivery of the material by Cordivari and this warranty is invalidated if the code of the radiator with the date is removed or modified.
- Warranty is only valid if Cordivari S.r.l. is notified by registered mail about the fault within 8 days since delivery.
- Warranty will take effect after having examined the defects and their causes in the Cordivari plant.
- The materials that have to be replaced or repaired must be shipped free of charge to the Cordivari plant.

Warranty will be applicable at the following conditions:
- materials must have been stored in good conditions and protected from the inclemency of the weather before installation;
- radiator did not have damages during transport, handling or installation;
- no alterations or reparations must be done without the prior consent of the seller;
- the buyer must have paid all the bills within the pre-established deadlines;
- if for cleaning none of those aggressive, corrosive, substances not suitable for radiators material have been used;
- the installation must have been done by professionals and in conformity with all instructions an standards written on the technical data sheets provided by Cordivari S.r.l.;
- no periodical emptying or charging of the system must have taken place;
- no aggressive chemical substances must have been added to the water of the system
- the working pressure and temperature shown in the catalogue must correspond to the current usage pressure and temperature;
- the caps and Accessories used must be original Cordivari materials;
- radiator has not been connected to a system with open expansion tank;
- the radiators must not have been connected to the sanitary water system;

The warranty doesn't cover construction or dismantling costs to move the product from/to the installation place.
In case of using antifreeze, it should never be used pure, but it has to be diluted before including in the heating system.
When you use anti-corrosion, it has to be compatible with all the material composing the heating elements of the radiator.
In case of preinstalled Cordivari's caps, each alteration of those caps will void the warranty of the product. Cordivari will not assume responsibilities for radiator assembled by other people and/even for caps which are not by Cordivari. Cordivari's warranty immediately cease in case of reparations or modifications on products without the previous agreement of Cordivari.
Heating system should be without any remaining of metals, calamine, grease, and without presence of gas.
Before starting the heating system, make a rinse to cancel any residual from the installation/working.
Warranty will not be valid in case of damages caused by electrical system.
The purchaser may not claim any other cost of direct or indirect damage to person or properties resulting from above confirmed defects.

6. PAYMENTS
All invoices have to be paid according to the agreed deadline. Any delay, even partial may suspend the planned deliveries. Overdue interest could be charged at current rates.

7. GOODS' PROPERTY
Cordivari Srl remains owner of the delivered goods until they are not completely paid. In case of failure to proceed to the payment, Cordivari Srl could ask for immediate restitution of goods and keep the paid partial amount as indemnity. Cordivari Srl can reserve the right to evaluate bigger damages caused by the outstanding amount.

8. PRICES
Prices are not binding and can be modified without communication and can be modified on basis of the modifications which could appear before and during delivery. Prices are intended on FCA-MORRO D'ORO (Incoterm 2010 basis), except in case of written agreements. For some voluminous delivery Cordivari may charge some extra-costs. All prices indicated are V.A.T. excluded.

9. ORDERS/DELIVERY
The Order value is minimum Euro 2.000,00. Given orders are binding to the buyer, who acknowledges of all our sales conditions.
Delivery is considered to customer main place/warehouse; for any different destination please get in touch with our sales dept.

10. COURT AUTHORITY
For the following Catalogue and conditions only the provisions of Italian law will be used. For controversy, the Court of Teramo (Italy) shall have exclusive competence. Essential and trial law shall be exclusively Italian.

11. ORIGINAL VERSION
Being a translation, the Italian language is the only valid language for interpretation and conditions of this catalogue version.

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CONDIZIONI DI VENDITA E GARANZIA

La vendita dei prodotti viene effettuata conformemente alle sotto elencate Condizioni Generali di Vendita e Garanzia. Ogni deroga è subordinata all'accettazione scritta da parte dalla Cordivari Srl.

1. SPEDIZIONE
La merce viaggia a rischio e pericolo del Committente, anche se viene spedita franco destino. La merce deve essere verificata all'atto della consegna, controllando l'integrità dell'imballaggio, articoli mancanti o sostituzioni in presenza del trasportatore. Ogni contestazione dovrà essere segnalata immediatamente al trasportatore/corriere firmando con riserva il DDT e confermando tale riserva a mezzo lettera raccomandata o posta certificata entro otto giorni dal ricevimento della merce.

2. TERMINI DI CONSEGNA
I termini di consegna si intendono approssimativi e comunque se il termine di consegna non potesse essere rispettato per qualsiasi motivo, il Committente non avrà diritto a esigere alcun indennizzo, pagamenti di penali, annullamento o modifica all'ordine conferitoci. In caso di eventi straordinari quali calamità naturali, scioperi, mancanza di materie prime, e cause di forza maggiore, la Cordivari Srl si riserva la scelta delle misure da adottare.
Se la merce ordinata non viene ritirata nel periodo concordato, questa verrà fatturata e immagazzinata con costi, rischio e pericolo a carico del committente.

3. PESI, MISURE, SUPERFICI
Pesi, misure, superfici, forme, dimensioni, immagini e altri dati sono indicativi e non impegnativi e possono subire delle modifiche o variazioni che la Cordivari Srl si riserva di apportare ai suoi prodotti senza preavviso.

4. ANNULLAMENTO O MODIFICA ORDINE
Senza il consenso scritto della Cordivari Srl, le ordinazioni conferite non possono essere né parzialmente né totalmente annullate o modificate. Non si accordano variazioni o modifiche quando sia già stata intrapresa la lavorazione. Eventuali spese derivanti dall'annullamento o modifica dell'ordine saranno fatturate al Committente.

5. GARANZIA RADIATORI/ACCESSORI
Per i radiatori tubolari della linea "Ardesia®" (nella versione acqua calda) e per il modello Claudia (nella versione acqua calda), la Cordivari Srl stabilisce la garanzia per un periodo di 5 anni. Per i radiatori tubolari della linea "Ardesia®" con finitura F28 Transparent Shiny la garanzia è di anni 2.
- Per i radiatori Scaldasalviette e "I monocolonna arredo living" la Cordivari Srl stabilisce la garanzia nei termini e per il periodo di tempo stabilito dalla legge nazionale di recepimento della Direttiva Garanzie 1999/44/CE.
- Per i radiatori Scaldasalviette e "I monocolonna arredo living" in acciaio inox la Cordivari Srl stabilisce la garanzia per un periodo di 10 anni.
- Per i radiatori a funzionamento elettrico, la Cordivari Srl stabilisce la garanzia nei termini e per il periodo di tempo stabilito dalla legge nazionale di recepimento della Direttiva Garanzie 1999/44/CE.
- Per tutti gli accessori, i prodotti speciali realizzati su specifica del Committente e tutti gli articoli residuali non contemplati nelle condizioni di vendita la Cordivari Srl garantisce nei termini e per il periodo di tempo stabilito dalla legge nazionale di recepimento della Direttiva Garanzie 1999/44/CE, ad eccezione di componenti elettrici ed elettronici, dove la garanzia è di 12 mesi.
- I prodotti di questo catalogo sono realizzati e progettati in conformità alle direttive europee di riferimento CE, EN, UNI, ecc. La garanzia e la conformità di detti prodotti hanno valenza esclusivamente in quei paese dove tali norme sono riconosciute e recepite. In paesi extra europei o comunque che non recepiscono tali norme, la Cordivari Srl non assume responsabilità per garanzie e conformità.

LA GARANZIA E' SOTTOPOSTA ALLE SEGUENTI CONDIZIONI:
- La garanzia decorre dalla data di consegna da parte della Cordivari e decade se viene manomessa e/o rimossa l'indicazione del lotto di produzione.
- I prodotti diventati inutilizzabili per difetti di costruzione saranno riparati o sostituiti gratuitamente franco Vs. destinazione.
- La condizione essenziale affinché la garanzia sia valida è che i difetti riscontrati siano notificati entro 8 (otto) giorni dal ricevimento della merce, per iscritto tramite raccomandata A/R o posta certificata.
- La garanzia sarà operante previo esame dei difetti e delle loro cause presso la sede della Cordivari Srl.
- Il materiale da sostituire o riparare dovrà essere consegnato franco magazzino presso la Cordivari Srl.

L'IMPEGNO DI PRESTARE LA GARANZIA SUSSISTE A CONDIZIONE CHE:
- Il materiale sia stato immagazzinato in buone condizioni e al riparo dalle intemperie prima di essere installato;
- Il radiatore non abbia subito danneggiamenti durante il trasporto, le movimentazioni o l'installazione;
- Non siano state effettuate manomissioni o riparazioni dei prodotti senza l'autorizzazione della Cordivari Srl;
- Il compratore abbia effettuato il saldo dei pagamenti nei termini prestabiliti;
- L'installazione sia stata realizzata da personale qualificato e in conformità alle istruzioni e alle norme indicate sulla documentazione tecnica fornita dalla Cordivari Srl;
- Per la pulizia del radiatore non siano stati utilizzati detergenti aggressivi, abrasivi incompatibile con il materiale del corpo scaldante.
- Non siano stati effettuati svuotamenti o caricamenti periodici dell'impianto;
- Non siano state effettuate aggiunte di sostanze chimiche aggressive all'acqua dell'impianto, e siano stati rispettati i valori guida secondo la normativa UNI 8065 con opportuni trattamenti dell'acqua;
- La pressione e la temperatura di esercizio indicate sul catalogo corrispondano alla pressione e alla temperatura massima di esercizio;
- Il circuito sia esente da residui di metallo, calamina, grasso e non ci sia presenza di gas. Prima della messa in funzione dell'impianto, eseguire un lavaggio per eliminare residui di lavorazione meccanica e/o residui in fase d'installazione.
- I tappi e gli accessori utilizzati siano quelli regolarmente forniti dalla Cordivari srl;
- I radiatori non siano stati collegati all'impianto dell'acqua calda sanitaria.
- I radiatori non siano collegati ad impianti con vaso di espansione aperto.

Nel caso in cui si utilizzi l'antigelo, esso non dovrà mai essere utilizzato puro, ma diluito prima di essere introdotto nel circuito.
Nel caso in cui si utilizzi un inibitore di corrosione, esso dovrà essere compatibile con tutti i materiali presenti nei corpi scaldanti.
In caso di prodotto con tappi premontati dalla Cordivari Srl, qualsiasi manomissione degli stessi, porterà fuori garanzia il prodotto. La Cordivari Srl non si assumerà comunque responsabilità su batterie assemblate da terzi, e/o con tappi e riduzioni assemblati da terzi. Qualora il Cliente esegua modifiche o variazioni di sua iniziativa sui materiali in contestazione senza il nostro preventivo benestare, decade immediatamente ogni responsabilità della Cordivari Srl.
La garanzia inoltre non opera in caso di anomalie o guasti dipendenti dalla rete d'alimentazione elettrica.
La garanzia non copre costi dovuti a demolizioni, opere murarie, lavori per il passaggio e la collocazione dei prodotti sia in ingresso che in uscita e la manodopera per eventuali sostituzioni di prodotto.
Cordivari Srl si impegna durante il periodo di garanzia alla sostituzione del prodotto reso e riconosciuto difettoso per accertati difetti di produzione, oltre a ciò il Committente non potrà vantare alcun altro risarcimento per spese di danno, dirette o indirette di qualsiasi natura a persone e/o a cose derivanti da detti difetti.

6. PAGAMENTI
I pagamenti delle fatture relative alle forniture dovranno essere effettuati entro i termini di scadenza stabiliti. Il ritardo nel pagamento delle fatture, anche se parziale, da luogo alla decorrenza degli interessi di mora nella misura del tasso corrente, oltre alla sospensione immediata delle spedizioni in corso e del processamento di eventuali ordini.

7. RISERVA DI PROPRIETÀ
I prodotti restano di proprietà della Cordivari Srl fino al pagamento dell'ultima rata di Price di merce consegnata. In caso di inadempimento anche parziale del compratore la Cordivari Srl potrà chiedere l'immediata restituzione della merce trattenendo comunque le rate pagate a titolo di indennità salvo il maggior danno.

8. PREZZI
I prezzi non sono impegnativi e possono essere modificati senza preavviso. I prezzi sono revisionabili in funzione delle variazioni che dovessero intervenire fino al momento della consegna. I prezzi si intendono resa franco stabilimento di Morro D'Oro (TE) (FCA – MORRO D'ORO INCONTERMS 2010) , salvo diversi accordi. I prezzi sono sempre riportati nel listino al netto di IVA. Per modelli ingombranti la Cordivari srl si riserva di chiedere una partecipazione alle spese di imballaggio. Tutti i prezzi sono esclusi IVA.

9. ORDINI/CONSEGNA
Il valore minimo per ordine è di Euro 2.000. Gli ordini impartiti impegnano definitivamente il Committente che deve dichiarare di conoscere e accettare tutte le condizioni di vendita. La consegna si intende esclusivamente presso la sede/magazzino del Committente. Richieste particolari del Committente come: consegne espresso, consegna diversa dalla sede/magazzino, etc. avranno costi addizionali che verranno comunicati di volta in volta dal nostro ufficio commerciale.

10. FORO COMPETENTE
Per qualsiasi controversia derivante dal presente contratto o collegata allo stesso è competente il Foro di Teramo. La legge applicabile (sostanziale e procedurale è quella italiana).

11. VERSIONE ORIGINALE
La versione originale e legalmente valida delle presenti condizioni di vendita e garanzia è la versione in lingua italiana.

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