

BOLLYTERM® HP

POLYWARM® COATED CALORIFIER WITH INTEGRATED HEAT PUMP



APPLICATION

Production and storage of domestic hot water (DHW).

MATERIAL

Mild steel Polywarm® coated (Attestation ACS - SSICA - DVGW - W270 - WRAS)

HEAT PUMP

The water inside the tank is warmed up by an integrated insulated compressor heat pump, equipped with external condensing coil. A 1500 Watt electric resistance with "BOOST" option is already installed.

Electronic central unit with graphic display allows controlling and planning.

INSULATION

High thermal insulation with ecological polyurethane hard foam.

EXTERNAL LINING

Upper cover and flange cover in ABS.

CATHODE PROTECTION

Magnesium anode.

DRAIN

External confluence through drain connection.

GASKET- FLANGE PLATE

Silicone gaskets suitable for water intended for human consumption (tested according to 98/83/CE), max temperature up to 200°C. Mild steel Polywarm® coated flange plate with electrical immersion resistance.

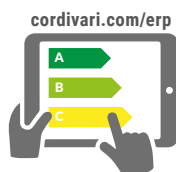
WARRANTY

5 years (tank)

See general sales conditions and warranty for electrical parts.

ACCESSORIES AND SPARE PARTS

See Accessories section for the entire list.



On line ErP label tool

Percorso
Efficienza  Innovazione
MCE - EXPOCOMFORT



BOLLYTERM® HP

ENERGY
EFFICIENCY
CLASS



Model **HARD FOAM**
insulation

Art. Nr.

| | | |
|------------|---------------|-----------|
| 200 | 3180162330102 | A+ |
| 300 | 3180162330103 | A+ |

| Model | Net volume heated by heat pump [lt] | Room temperature output [°C] | C.O.P. | ErP Energy efficiency class (Reg EU 812/2013) | Ignition time (Air temperature 20 °C - Water temperature from 15 °C to 55 °C) [min] | Electric integration power [W] | Maximum absorption | |
|------------|--|---------------------------------------|---------|--|---|---|-----------------------|-------|
| | | | | | | | Heat pump | Total |
| 200 | 176 | -5/+43 | 2,98(*) | A+ | 236' | 1500 | 805 | 2305 |
| 300 | 264 | | 2,91(*) | A+ | 353' | | | |

(*) Data obtained under the following conditions (T air 20 °C - T water from 15 °C to 55 °C)

INTEGRATED HEAT PUMP

The Bollyterm HP produces DHW thanks to the heat energy naturally present in the air, allowing considerable energy savings. The functioning of the heat pump is based on the exploitation of a particular ecological gas (R134a) that, through its compression and expansion, ensures high performance and cost efficiency.

The energy (heat) is transferred from the air to the water through a condenser coil wrapped outside the tank, avoiding any possible contact between the fluid and the sanitary water, ensuring therefore maximum hygiene and safety.

The output is indicated by the coefficient of performance C.O.P. indicating the relation between used and obtained energy.



| HEAT PUMP TECHNICAL DATA | | | | | | Acoustic level [dB] |
|--------------------------|--------------------------|-----------------|---------------------|-----------------------------------|---------------------------|---------------------------|
| Power supply | Max water temperature | Coolant type | Coolant Pressure | Max ducts length/ Max static P | Minimum pipes diameter | |
| [V / Ph / Hz] | [°C] | [tipo] | [g] | [m / Pa] | [mm] | |
| 220-240 / 1 / 50 | 60 | R134a | 800 | 8 / 60 | 180 | 59 (*) |

(*) Test complaint with European standard EN 12102:2013 – EN ISO 3741:2010

ACCESSORIES

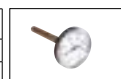
Electric immersion heater

| Art. Nr. | Power | Ø connection [mm] |
|---------------|--------|-------------------------|
| 5221000000103 | 1,5 kW | 75-140 |
| 5221000000066 | 3 kW | 75-140 |



Thermometer

| Art. Nr. |
|---------------|
| 5032240000107 |
| 5 units box |



Titanium electronic anode

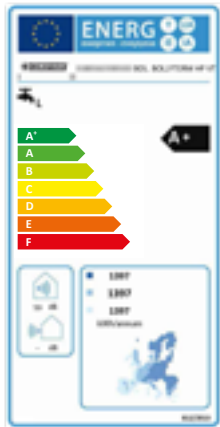
See Accessories section



BOLLYTERM® HP

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| STORAGE | |
|---------|-------|
| Pmax | Tmax |
| 10 bar | 90 °C |



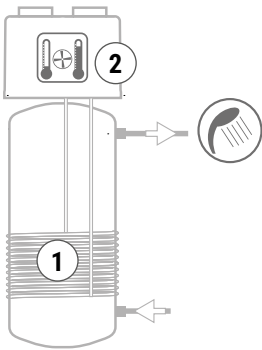
CORDIVARI® Lab

TÜV Rheinland Energie und Umwelt GmbH states that test procedures and Cordivari LAB are certified conforming to European standard EN 15332, as indicated by Ecodesign ErP Directive.

IMQ CLIMA

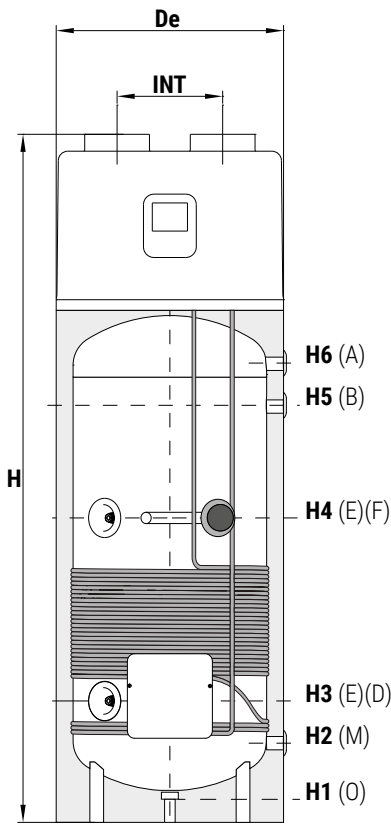
CENTRO DI INNOVAZIONE TECNOLOGICA AGEPOINT

POLITECNICO DI MILANO
DIPARTIMENTO DI ENERGIA
REALAB- RENEWABLE HEATING AND COOLING LAB

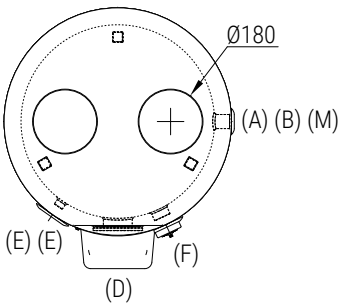


See **TECHNICAL SUPPORT** chapter for example of installation

- 1 External to the storage, condensator coil avoiding any contact between coolant - D.H.W.
- 2 Electronic central unit (included):
 - set point hot water
 - self check
 - anti-legionellosis treatment
 - operating programs
 - "BOOST" mode



| | |
|----------|---|
| A | Domestic hot water circuit outlet 1" F |
| B | Recirculation 1" F |
| D | Flange for inspection Ø 75 mm / Electric immersion heater |
| E | Probe 1/2" F |
| F | Magnesium anode 1"1/4 F |
| M | Domestic cold water circuit inlet 1" F |
| O | Drain 1" 1/4 F |



| Model | Volume | De | INT | H | H1 | H2 | H3 | H4 | H5 | H6 |
|-------|--------|-----|-----|------|----|-----|-----|-----|------|------|
| | [lt] | | | | | | | | | |
| 200 | 205 | 640 | 340 | 1585 | 71 | 240 | 350 | 800 | 815 | 925 |
| 300 | 293 | 640 | 340 | 1960 | 71 | 240 | 350 | 860 | 1190 | 1300 |