

BOLLY® MURALE

HANGED POLYWARM® COATED CALORIFIER FOR D.H.W. PRODUCTION WITH 1 FIXED HIGH EFFICIENCY HEAT EXCHANGER



APPLICATION

Production and storage of domestic hot water (DHW).

MATERIAL

Mild steel Polywarm® coated (Attestation ACS - SSICA - DVGW - W270 - WRAS) . Complete with wall brackets.

HEAT EXCHANGER

Mild steel Polywarm® coated heat exchanger.

INSULATION

Ecological hard polyurethane foam with high thermal insulation or painted galvanized metallic cover PVC external lining complete with top cover.

CATHODE PROTECTION

Magnesium anode.

DRAIN

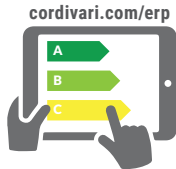
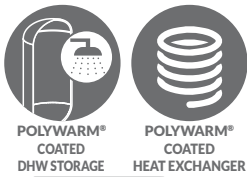
External confluence through drain connection.

WARRANTY

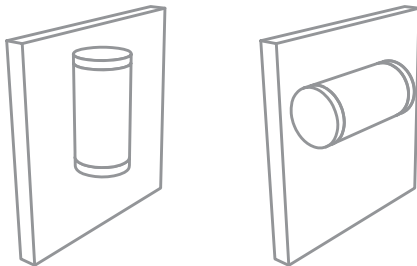
5 years - See general sales conditions and warranty

ACCESSORIES AND SPARE PARTS

See Accessories section for the entire list.



On line ErP label tool



Vertical or horizontal wall hanged



BOLLY® MURALE WB

Model	HARD FOAM insulation + PVC Art. Nr.	HEAT EXCHANGER SURFACE [m ²]	ENERGY EFFICIENCY CLASS
80	3104160900021	0,44	C
100	3104160900022	0,44	C
150	3104160900023	0,63	C
200	3104160900024	0,84	C
300	3104160900025	1,22	C



BOLLY® MURALE WBL

Model	HARD FOAM insulation + METALLIC COVER Art. Nr.	HEAT EXCHANGER SURFACE [m ²]	ENERGY EFFICIENCY CLASS
80	3104160900026	0,44	C
100	3104160900027	0,44	C
150	3104160900028	0,63	C
200	3104160900029	0,84	C
300	3104160900030	1,22	C

Model	Output	Ignition time	Production of D.H.W.	
	[kW]	[min]	[lt/h]	[lt/10']
<i>Data have been calculated with primary water at 80°C - DHW production from 10°C to 45°C, and storage at 60 °C</i>				
80	14	26	345	171
100	14	32	345	200
150	21	33	508	298
200	29	32	704	403
300	42	34	1027	599

ACCESSORIES

Easy control unit mounted on the wall

ART. NR.	FOR MODELS
5005000310001	WB

Thermometer

Art. Nr.
5032240000107
5 units box

Magnesium anode

ART. NR.	Model
5200000041015	80=150
5200000041010	200=300
2 units box	

Electric immersion heater with thermostat

Art. Nr.	Output	Connection
5240000000042	1,5 kW	1" 1/4

BOLLY® MURALE

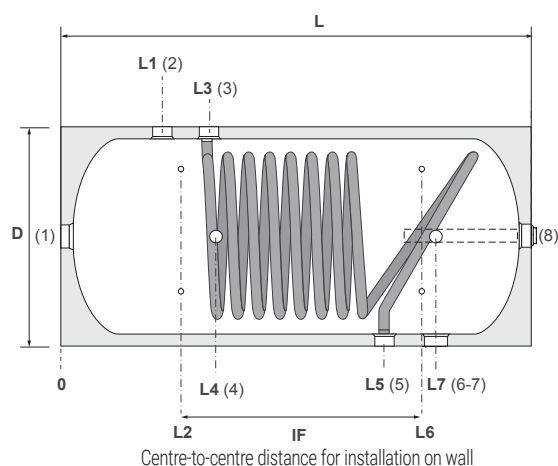
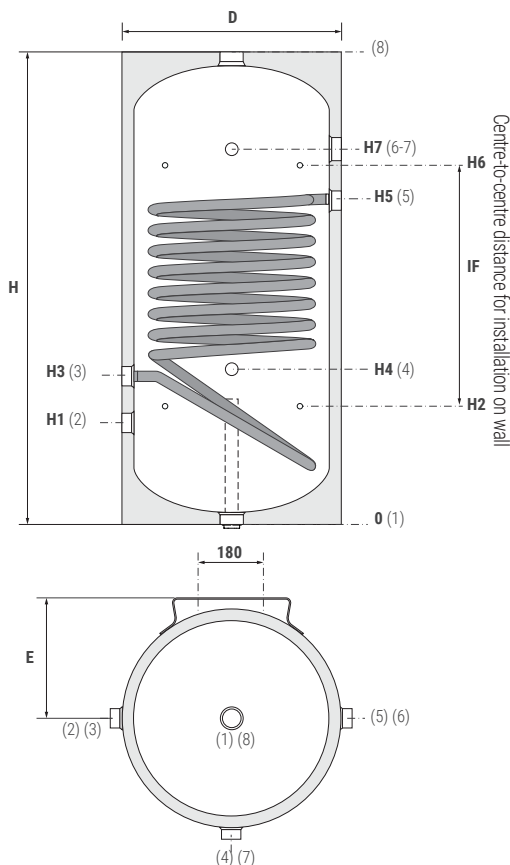
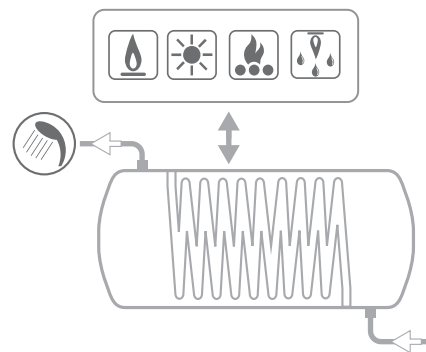
HANGED POLYWARM® COATED CALORIFIER FOR D.H.W. PRODUCTION WITH 1 FIXED HIGH EFFICIENCY HEAT EXCHANGER

STORAGE		HEAT EXCHANGER	
Pmax	Tmax	Pmax	Tmax
10 bar	90 °C	12 bar	110 °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.



- 1 Connection 1 1/4" F
- 2 Domestic cold water circuit inlet 1 1/4" F
- 3 Primary circuit outlet 1 1/4" F
- 4 Instrumentation 1/2" F
- 5 Primary circuit inlet 1 1/4" F
- 6 Instrumentation 1/2" F
- 7 Domestic hot water outlet 1 1/4" F
- 8 Magnesium anode 1 1/4" F

Model	Volume [lt]	Weight [Kg]	D	H/L	H1/L1	H2/L2	H3/L3	H4/L4	H5/L5	H6/L6	H7/L7	IF	E
80	84	25	456	800	195	235	290	315	510	600	605	365	250
100	103	29	456	954	205	222	300	315	655	732	750	510	250
150	149	40	456	1330	205	335	300	315	1030	1005	1125	670	250
200	191	47	510	1350	215	320	310	325	1040	1035	1135	715	275
300	293	62	610	1400	240	345	335	350	1065	1060	1160	715	325

BOLLY® MURALE

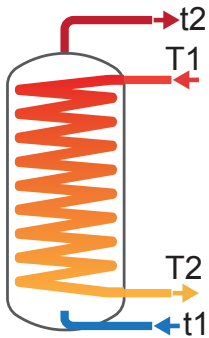
HEAT EXCHANGERS TECHNICAL DATA



Data have been calculated on following basis:

- 1) Primary circuit at T1 and proper energy source;
- 2) Production of DHW in continuous way from 10 °C at t2;
- 3) DHW that can be taken in the first 10' and in the first hour from storage at 60°C, input 10°C and output 45°C;
- 4) Sanitary water according to UNI CTI 8065.

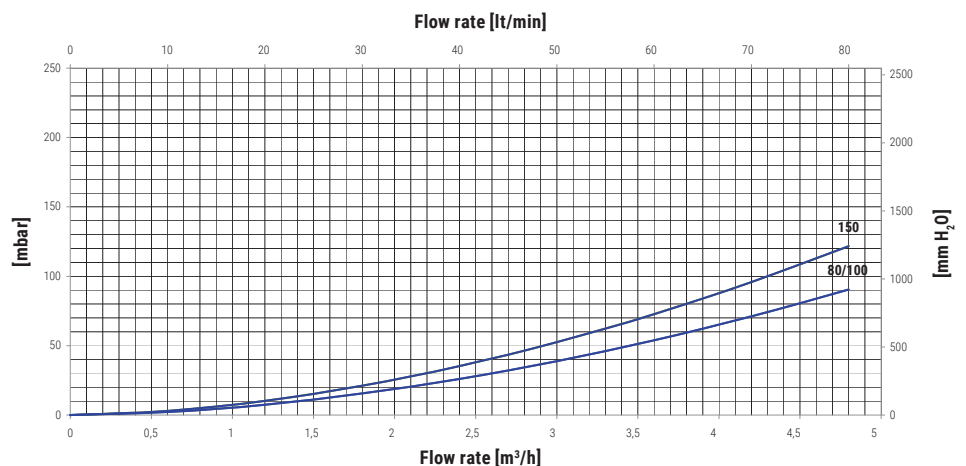
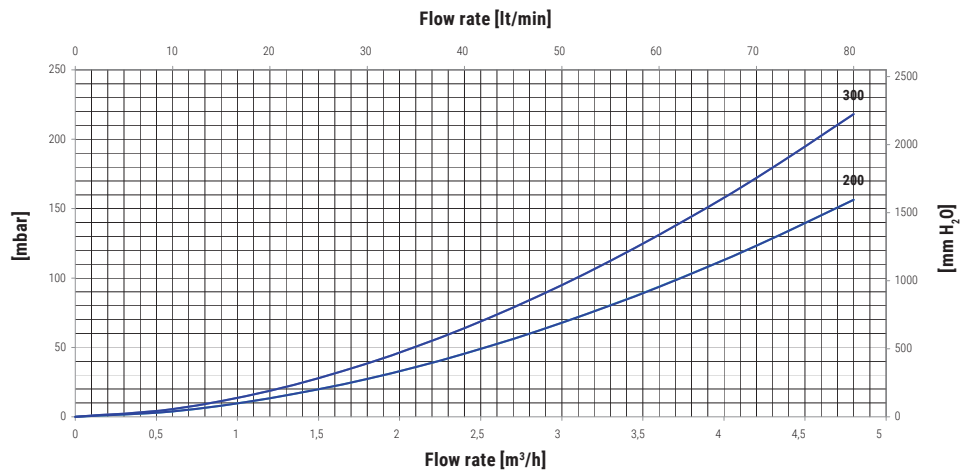
Model	Primary Flow rate [m³/h]	Ignition time (minutes) from 10 °C to t2 and primary at T1				Maximum power exchange (kW) with primary at T1, secondary within 10-45 °C and constant use of DHW production				DHW continuous production lt/h within 10-45 °C and primary at T1			
		T1/t2				T1				T1			
		55/50	65/60	70/60	80/60	55	65	70	80	55	65	70	80
80	2	80	85	55	35	4,9	7,3	8,6	11,2	114	175	207	270
	1	90	96	61	39	4,5	6,7	7,9	10,2	105	160	188	245
100	2	99	105	68	43	4,9	7,3	8,6	11,2	114	175	207	270
	1	111	119	76	48	4,5	6,7	7,9	10,2	105	160	188	245
150	2	105	111	74	47	6,5	9,7	11,3	14,7	154	234	275	358
	1	119	126	84	54	6	8,8	10,3	13,2	141	218	248	322
200	2,5	91	95	65	42	9,2	13,8	16,2	21	223	337	395	513
	1,25	102	108	73	48	8,6	12,7	14,7	19	206	308	359	464
300	3	98	102	70	46	13,1	19,6	22,9	29,6	318	479	561	727
	1,5	110	115	80	52	12,2	17,9	20,8	26,7	296	438	510	656



Model	Primary Flow rate [m³/h]	DHW produced in the first 10 minutes in lt/10' input 10 °C output 45 °C, storage at t2 and primary at T1				DHW produced in the first hour in lt/60' input 10 °C output 45 °C, storage at t2 and primary at T1				Heat exchanger pressure loss	
		T1/t2				T1/t2				[mm H ₂ O]	[mbar]
		55/50	65/60	70/60	80/60	55/50	65/60	70/60	80/60		
80	2	110	143	149	159	183	254	280	330	175	17
	1	109	141	146	155	175	242	265	310	51	5
100	2	133	172	177	188	205	283	308	359	175	17
	1	132	170	174	184	198	271	293	339	51	5
150	2	191	246	253	267	289	394	427	494	229	22
	1	189	243	248	261	279	382	406	465	67	7
200	2,5	249	320	330	350	390	534	580	675	472	46
	1,25	246	316	324	342	376	511	551	635	139	14
300	3	379	487	501	528	580	790	856	989	908	89
	1,5	375	480	492	516	563	758	815	932	268	26

HEAT EXCHANGERS PRESSURE LOSS

Heat exchangers surface [m ²]	
80	0,44
100	0,44
150	0,63
200	0,84
300	1,22

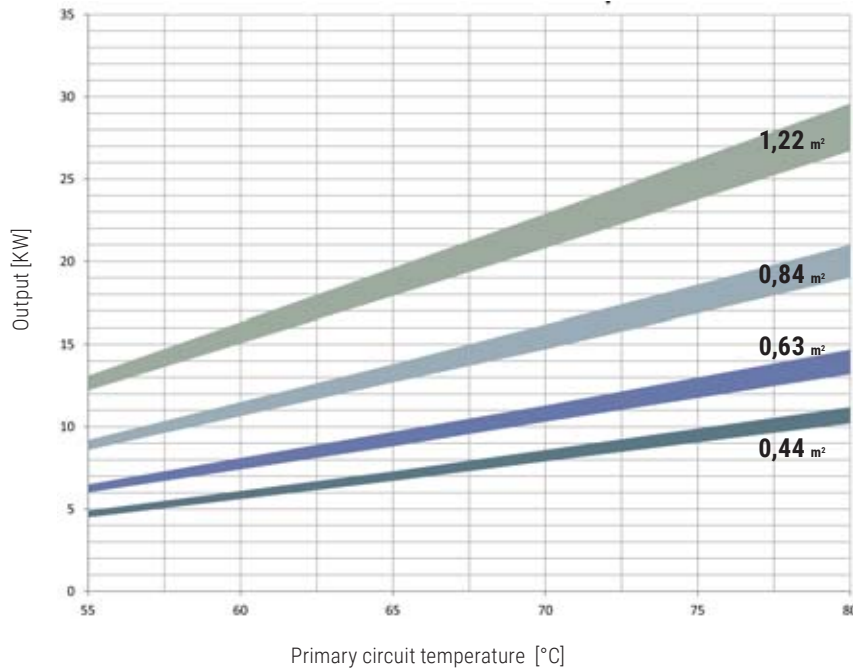


BOLLY® MURALE

HEAT EXCHANGERS TECHNICAL DATA

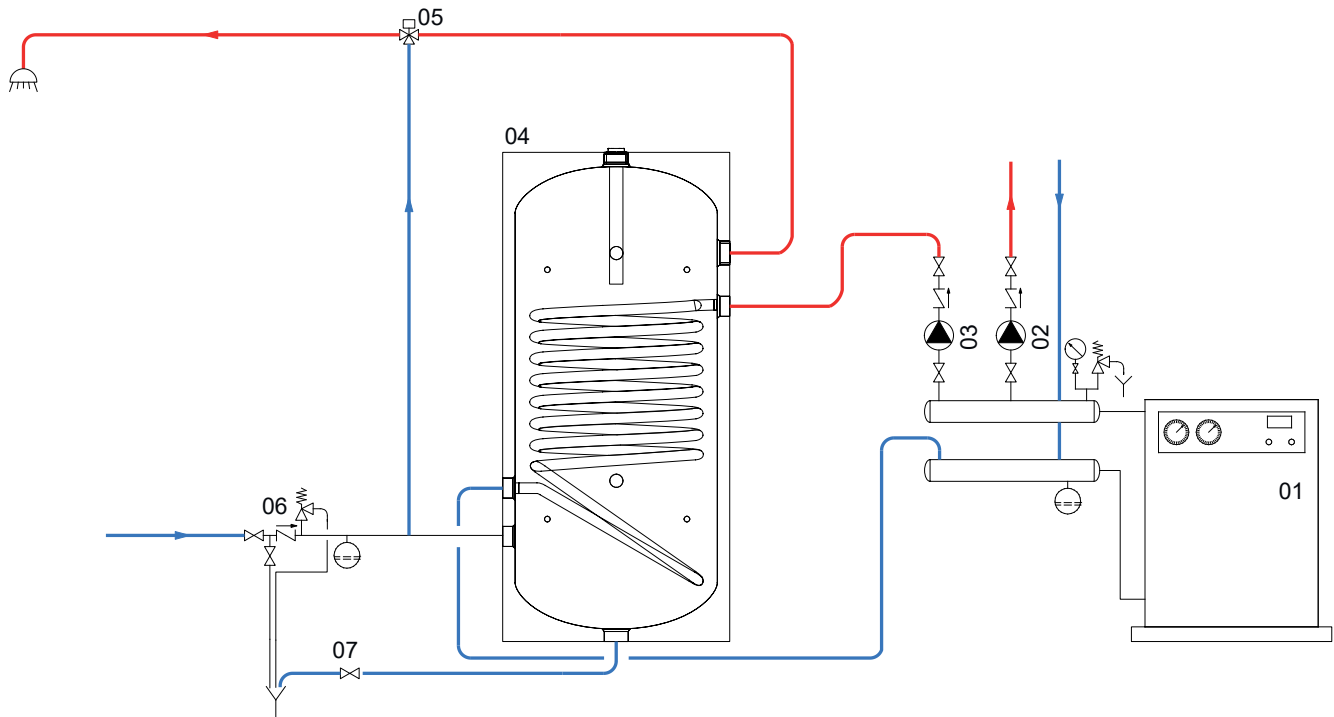


Heat Exchanger output referred to temperature and flow rate of primary circuit and with secondary at 10/45°C at maximum withdrawal of producible DHW (Upper limit of the curves referred to maximum primary flow rate in the heat exchanger, while the lower limit in the curves refer to the minimum primary flow rate)



Heat exchanger surface [m²]	0,44		0,63		0,84		1,22	
Flow rate [m³/h]	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	2	1	2	1	2,5	1,25	3	1,5

EXAMPLE OF INSTALLATION WITH BOLLY® MURALE



01	Generator	03	D.H.W. circulation group	05	Thermostatic mixing valve	07	Blowdown valve
02	Heating system circulation group	04	Bolly® Murale	06	Hydraulic safety group		