

# BOLLYTERM® HP 1

POLYWARM® COATED CALORIFIER WITH INTEGRATED HEAT PUMP AND 1 FIXED HEAT EXCHANGER



## 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.

## HEAT EXCHANGER:

Polywarm® coated fixed heat exchanger.

## 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.

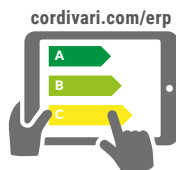
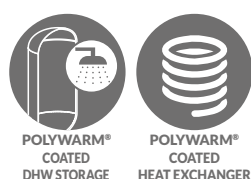
## WARRANTY

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  
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HEAT EXCHANGER SURFACE ENERGY EFFICIENCY CLASS

Model	HARD FOAM insulation	[m²]	Art. Nr.
200	3181162330102	0,8	A+
300	3181162330103	1,2	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, according to EN 16147

## 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					
Power supply	Max water temperature	Coolant	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
					Acoustic level
					[dB]
					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



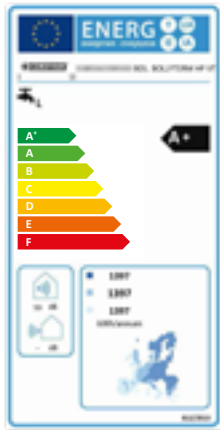
### Titanium electronic anode

See Accessories section

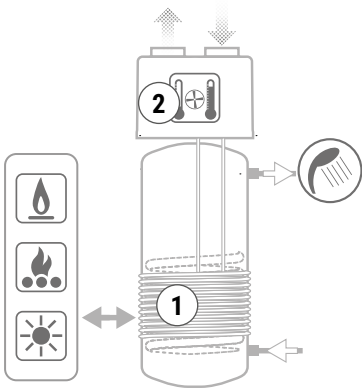


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Table with 4 columns: STORAGE, HEAT EXCHANGER, Pmax, Tmax. Values: 10 bar, 90 °C, 12 bar, 110 °C.



CERTIFICATIONS: TÜV Rheinland Energie und Umwelt GmbH, CORDIVARI Lab, IMQ CLIMA, POLITECNICO DI MILANO.



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

Legend table mapping letters A through O to specific components like Domestic hot water circuit outlet, Recirculation, Flange for inspection, etc.

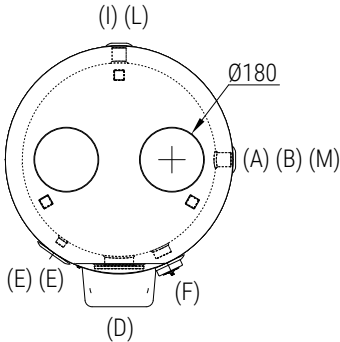
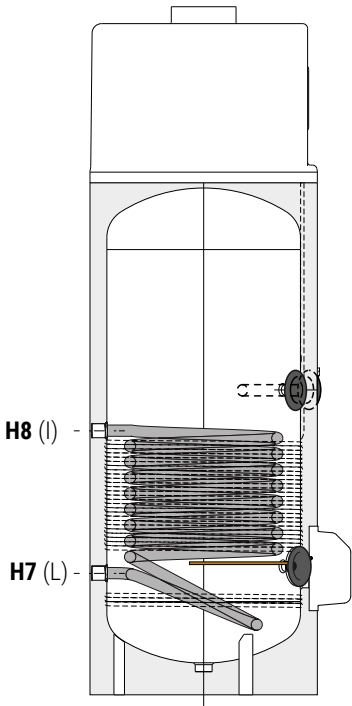
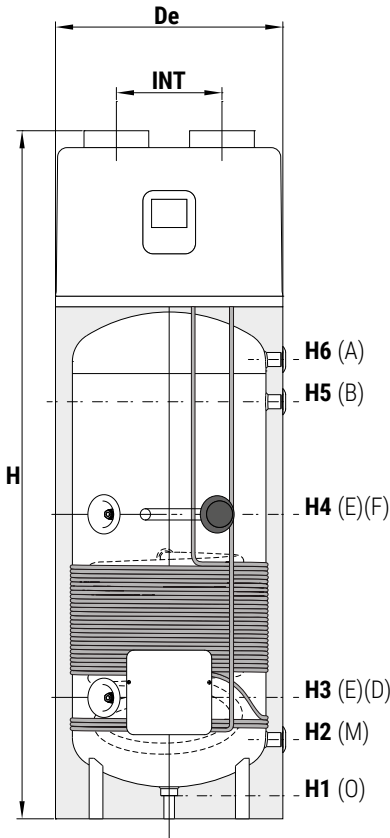


Table with 13 columns: Model, Volume, De, INT, H, H1, H2, H3, H4, H5, H6, H7, H8. Rows for Model 200 and 300.