

# BOLLYTERM® HP 2

POLYWARM® COATED CALORIFIERS WITH INTEGRATED HEAT PUMP  
AND 2 FIXED HEAT EXCHANGERS



## APPLICATION

Production and storage of domestic hot water.

## MATERIAL

Mild steel Polywarm® coated (Attestation ACS - SSICA - DVGW - W270 - UBA - 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 gear case with graphic display allows controlling and planning.

## HEAT EXCHANGER

2 Polywarm® coated fixed heat exchangers

## INSULATION

High thermal insulation with ecological polyurethane hard foam. PVC external lining complete with ABS top and flange cover.

## CATHODE PROTECTION

Magnesium anode.

## DRAIN

External confluence through drain connection.

## GASKET- FLANGE PLATE

Silicone gaskets suitable for alimentary use; 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.



Percorso  
Efficienza  Innovazione  
MCE - EXPOCOMFORT



HARD FOAM INSULATION

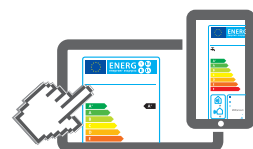


## BOLLYTERM® HP 2

HEAT EXCHANGER SURFACE

ENERGY  
EFFICIENCY  
CLASS

Model	HARD FOAM insulation	Lower	Upper	
		[m²]		
	Art. Nr.			
300	3180162330013	1,2	0,67	A+



[www.cordivari.com/erp](http://www.cordivari.com/erp)

On line ErP label tool

Model	Net volume heated from heat pump	Room temperature output	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)	Electrical integration power	Maximum absorption	
							Heat pump	Total
	[litres]	[°C]			[min]	[W]	[W]	[W]
300	264	-5/+43	2,91(*)	A+	353'	1500	805	2305

(\*) 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 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	Acoustic level
[V / Ph / Hz]	[°C]		[g]	[m / Pa]	[mm]	[dB]
220-240 / 1 / 50	60	R134a	800	8 / 60	180	59 (*)

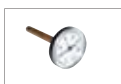
(\*) Test compliant with European standard EN 12102:2013 – EN ISO 3741:2010



## Accessories on request

### Thermometer

Art. Nr.
5032240000107
5 units box



### Titanium electronic anode

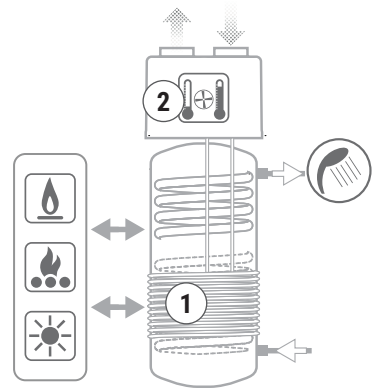
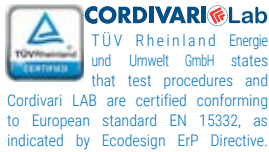
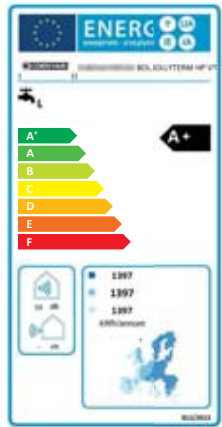
Art. Nr.	Model
5200000000008	300



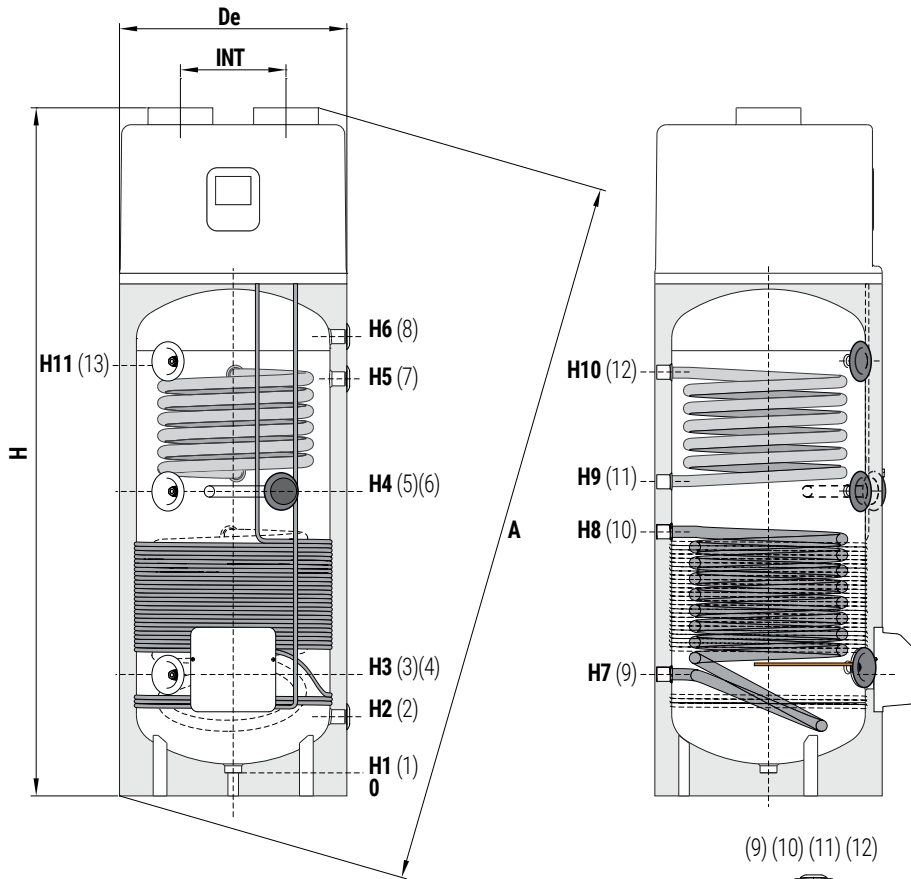
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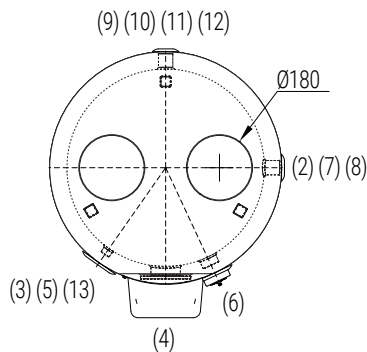
STORAGE		HEAT EXCHANGER	
Pmax	Tmax	Pmax	Tmax
10 bar	90 °C	12 bar	110 °C



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



1	Drain 1" 1/4 GAS F
2	Domestic cold water circuit inlet 1" GAS F
3	Connection for instrumentation 1/2" GAS F
4	Flange for inspection Ø 75 / Electrical immersion
5	Connection for instrumentation 1/2" GAS F
6	Anode 1"1/4 GAS F
7	Recirculation 1" GAS F
8	Domestic cold water circuit outlet 1" GAS F
9	Lower heat exchanger outlet 1" 1/4 Gas F
10	Lower heat exchanger inlet 1" 1/4 Gas F
11	Upper heat exchanger outlet 1" 1/4 Gas F
12	Upper heat exchanger inlet 1" 1/4 Gas F
13	Connection for instrumentation 1/2" Gas F



Model	Volume [litres]	De	INT	H	A	H1	H2	H3	H4	H5	H6	H7	H8	H9	H10	H11
		[mm]														
300	293	640	340	1960	2040	71	240	350	860	1190	1300	351	755	900	1140	1210

P.E.D. product designed and produced in conformity to the article 4.3 of directive 2014/68/UE - ErP Ecodesign directive 2009/125/CE

EXTRA-BOLLY®  
CALORIFIERS

BOLLYTERM®  
CALORIFIERS

STAINLESS STEEL  
CALORIFIERS

CALORIFIERS FOR  
HEAT PUMP

MULTIFUEL ENERGY  
CYLINDERS - PUFFER

HYDRONIC

INERTIAL  
TANKS

WATER PRESSURE  
TANKS

COMPRESSED AIR  
RECEIVERS

ACCESSORIES  
AND SPARE PARTS

TECHNICAL  
SUPPORT