

BOLLYTERM® HP 2 NET

POLYWARM® COATED WATER HEATER WITH INTEGRATED HEAT PUMP AND 2 FIXED HEAT EXCHANGERS



APPLICATION

Production and storage of domestic hot water (DHW).

MATERIAL

Mild steel Polywarm® coated (Attestation ACS - SSICA - EN 16421 - WRAS).

HEAT PUMP

The water inside the tank is warmed up by an integrated 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 scheduling. Models with WiFi available.

INSULATION

High thermal insulation with ecological polyurethane hard foam.

Painted metallic cover, upper cover and flange cover in ABS.

INTEGRATIVE HEAT EXCHANGER

N° 2 mild steel Polywarm® coated heat exchangers.

CATHODE PROTECTION

Magnesium anode.

Titanium anode (available only for WiFi models)

DRAIN

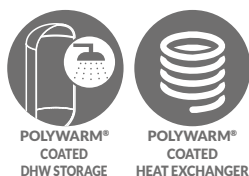
External confluence through drain connection.

GASKET- FLANGE PLATE

Silicone gaskets suitable for water intended for human consumption (tested according to 98/83/CE); Mild steel Polywarm® coated flange plate with electrical immersion resistance.

WARRANTY

5 years on tank. For electrical components see general sales conditions and warranty on Calorifiers and Thermal Storage Export Catalogue Pricelist 11.



NEW



BOLLYTERM® HP 2 NET

Model	HARD FOAM INSULATION Art. Nr.	HEAT EXCHANGER SURFACE		ENERGY EFFICIENCY CLASS
		Upper	Lower	
300	3181162330129	0,67	1,2	A+
300 Wi-Fi	3181162330126	0,67	1,2	A+



- **Energy efficiency class A+**
- **Max temp. DHW (heat pump): 60 °C**
- **WiFi Controller**
- **Photovoltaic integration**
- **Smart management from mobile device by app HITEMP**
- **Exclusive design (patented)**
- **User friendly touch screen controller**

HEAT PUMP TECHNICAL DATA

Model	BOLLYTERM® HP 2 NET 300	
Tank volume	lt	293
Lower heat exchanger surface	m ²	1,2
Upper heat exchanger surface	m ²	0,67
DHW connections		G 1" F
Maximum tank working pressure	MPa (bar)	1 (10)
Maximum tank working temperature	°C	90

PERFORMANCE DATA

COP* (7 °C / 6 °C)		3.08
Energy efficiency class ErP (Reg. EU nr 812/2013)*		A+
Seasonal efficiency / load profile*	%	129.1 / XL
V40*	lt	342
Maximum heating temperature (only HP)	°C	60
Refrigerant		R134a
Refrigerant charge	kg	1,25
Equivalent CO ₂	t	1,79
Airflow temperature range	°C	-5/+43
Maximum fan head (@350 m ³ /h)	Pa	120
Air-ducts diameter	mm	≥150
Sound power level (EN 12102)	dB (A)	58

ELECTRIC DATA

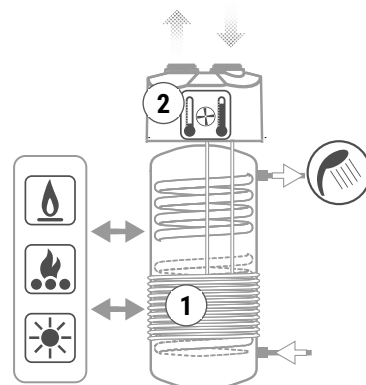
Electric supply	V / Hz	220-240V~ / 50Hz
Rated electric power	W	550+1500
Rated current	A	8,9
Auxiliary electric power	W	1500
Electric shockproof		I
Ingress Protection rating		IPX1

*Values obtained according to EN 16147 with external air temperature 7°C (87% relative humidity/6°C wet bulbe), DHW inlet temperature 10°C e DHW set point 55°C

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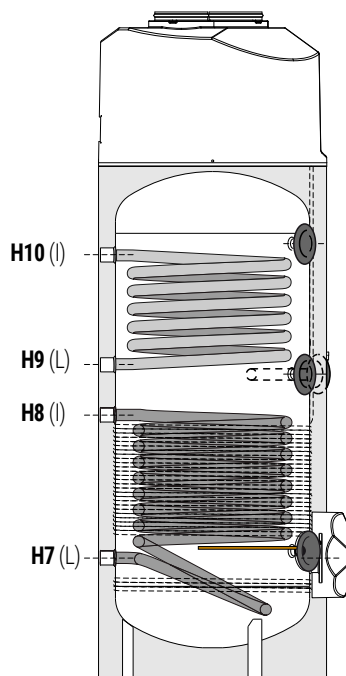
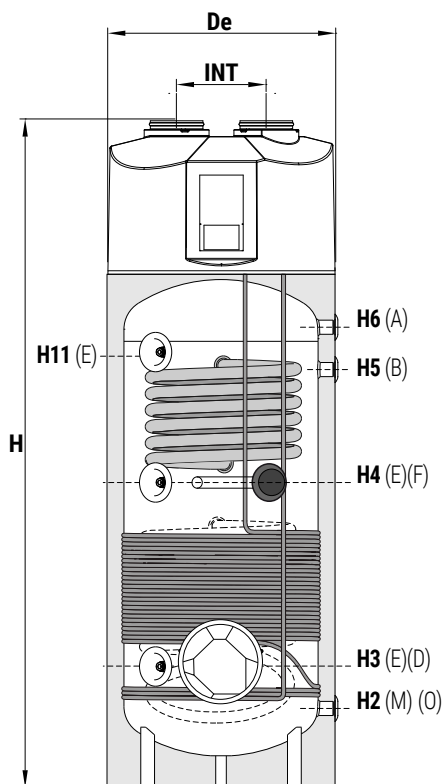
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AND 2 FIXED HEAT EXCHANGERS

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

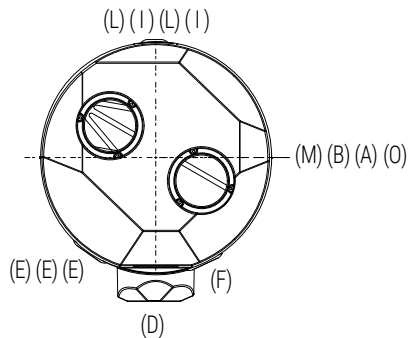


1 External to the storage, condensator coil avoiding any contact between coolant - D.H.W.

2 Electronic central unit (included):
 - set point hot water
 - self check
 - anti-legionellosis treatment
 - operating programs
 - "BOOST" mode
 - Photovoltaic integration
 - WiFi controller



A	Domestic hot water outlet 1" F
B	Recirculation 1" F
D	Flange for inspection Ø 75 mm / Electric immersion heater
E	Connection for instrumentation 1/2" F
F	Connection for magnesium anode 1"1/4 F
I	Primary circuit inlet G 1"1/4 F
L	Primary circuit outlet G 1"1/4 F
M	Domestic cold water circuit inlet 1" F
O	Drain G 1" F



Model	Gross volume [lt]	De	INT	H	H2	H3	H4	H5	H6	H7	H8	H9	H10	H11
300	293	640	256	1960	240	350	860	1190	1300	351	755	900	1140	1210

Net volume data according to EN 15332 available on product label