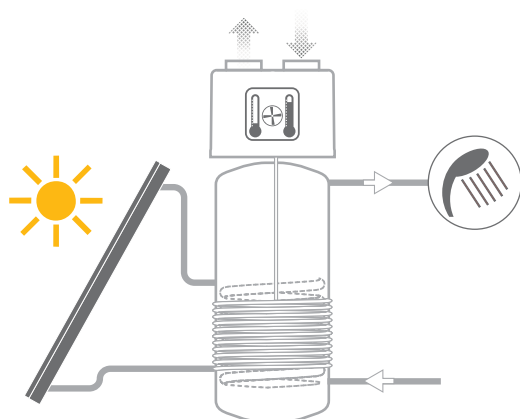


# SOLAR THERMAL SYSTEM BOLLYTERM® HP

## FORCED CIRCULATION SYSTEM WITH CALORIFIER FOR HEAT PUMP



SYSTEM WITH  
ENERGY  
EFFICIENCY

CLASS  
A+++



BOLLYTERM®  
HP 1 - HP 2

CALORIFIER  
FOR HEAT  
PUMP

## SOLAR THERMAL SYSTEM WITH CALORIFIER FOR HEAT PUMP



### APPLICATION

The solar thermal system **BOLLYTERM® HP** guarantees the total coverage of the DHW requirements with renewable energy source through the integrated heat pump and solar collectors.

The elevated C.O.P of the thermodynamic water heater ensures maximum energy savings in support of the solar collectors by configuring a system with energy efficiency class A+++.

### SOLAR COLLECTOR

- Insulation in mineral wool
- Anodized aluminum structure
- Highly selective absorber

### INTEGRATED HEAT PUMP

The Cordivari calorifier with integrated heat pump **BOLLYTERM® HP** produced domestic hot water using the heat naturally present in the air, allowing significant energy and economic savings.

The principle of the heat pump is based on the exploitation of a particular ecological gas (R134a), thanks to compression and expansions, allows high and advantageous energy efficiency. The heat taken from the air is transferred to the water by means of a condenser coil that is wrapped around the outside of the tank. In this way any contact between the heat transfer fluid and the domestic hot water is avoided as a guarantee of maximum safety and hygiene. The efficiency is indicated by the coefficient of performance (C.O.P) that indicates the ratio between the energy used and the one obtained to heat the water contained in the tank.

- Anti-hail tempered glass
- In compliance with **UNI EN 12975** regulation

### CALORIFIER

- **BOLLYTERM® HP** with 200 or 300 lt capacity
- Mild steel
- Integrated heat pump
- Internal Polywarm® coating, suitable for drinking water (D.M. n.174 of the 06.04.04)
- Polywarm® coated fixed heat exchanger
- High thermal insulation with ecological polyurethane hard foam and grey PVC external lining, upper top and flange cover in ABS.

### CERTIFICATIONS

Internal POLYWARM® coating, DHW attestations SSICA, DVGW, W270, UBA, WRAS

### ACCESSORIES

See accessories section

### WARRANTY

5 years

See general sales and warranty conditions

ASK ALWAYS FOR  
CERTIFIED LABORATORIES  
DATA RESULTS

**CORDIVARI® Lab**

TUV Rheinland Energie und Umwelt GmbH states that test procedures and Cordivari LAB are certified conforming to European standard EN 15332, as indicated by EArt. Nr.sign ERP Directive.



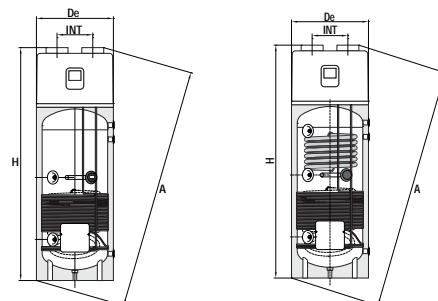
[www.cordivari.com/erp](http://www.cordivari.com/erp)

ON LINE ERP LABEL TOOL

### SYSTEM COMPONENTS

INCLUDED

Highly selective solar collector	✓
BOLLYTERM® HP calorifier (HP1 or HP2)	✓
Expansion vessel lt 24	✓
Circulation unit BASIC complete of circulator electronic control, flow regulator, safety valve, thermometer, temperature probes	✓
Non-toxic heat transfer fluid	✓
Solar thermostatic mixing valve	✓
Fixing kit and fittings	✓



### BOLLYTERM® HP 1

ENERGY  
EFFICIENCY  
CLASS

MODEL	INT	De	H	A	TESTED ERP
	[mm]				
200	340	640	1585	1684	A+
300	340	640	1960	2040	A+

### BOLLYTERM® HP 2

300	340	640	1960	2040	A+
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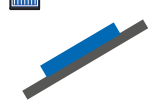
For more information and technical data of the calorifiers and buffer tanks please refer to the Cordivari Calorifiers and buffer tanks catalogue.



# SOLAR THERMAL SYSTEM BOLLYTERM® HP



FORCED CIRCULATION SYSTEM WITH CALORIFIER FOR HEAT PUMP



Calorifier model	200	300	300
Nr. Of collectors	2 x 2,5 m <sup>2</sup>	2 x 2,5 m <sup>2</sup>	2 x 2,5 m <sup>2</sup>
Total surface area m <sup>2</sup>	5	5	5
Calorifier type	BOLLYTERM® HP 1		BOLLYTERM® HP 2
Nr. Recommended users	4-5	5-6	5-6


	Model description	200HPI 5MQ TF	300HPI 5MQ TF	300HP2 5MQ TF
	ART. NR.	3410316617405	3410316617407	3410316617438



	Model description	200HPI 5MQ TP	300HPI 5MQ TP	300HP2 5MQ TP
	ART. NR.	3410316617415	3410316617417	3410316617439

	Model description	200HPI 5MQ INCAS.	300HPI 5MQ INCAS.	300HP2 5MQ INCAS.
	ART. NR.	3410316617425	3410316617427	3410316617440

## EXECUTIONS ON REQUEST

	Model description	200HPI 5MQ TF OR	300HPI 5MQ TF OR	300HP2 5MQ TF OR
				

	Model description	200HPI 5MQ TP OR	300HPI 5MQ TP OR	300HP2 5MQ TP OR
				

	Model description	200HPI 5MQ VT	300HPI 5MQ VT	300HP2 5MQ VT
				

## SYSTEMS WITHOUT FIXING KIT WITH VERTICAL COLLECTORS

Model description	200HPI 5MQ SZ CARP.	300HPI 5MQ SZ CARP.	300HP2 5MQ SZ CARP.
ART. NR.	3410316617435	3410316617437	3410316617441

Fixing kit and other components see accessories section.