

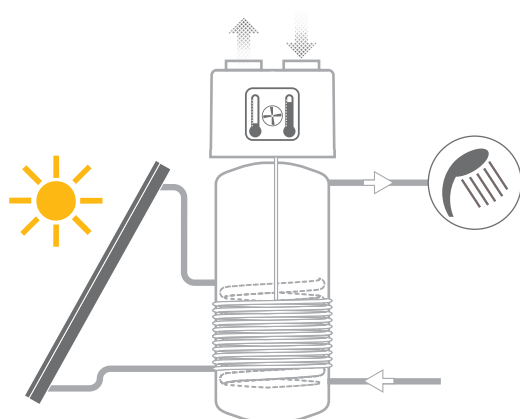
SOLAR THERMAL SYSTEM BOLLYTERM® HP CVT

FORCED CIRCULATION SYSTEM FOR DHW WITH VACUUM TUBE COLLECTORS AND CALORIFIER FOR HEAT PUMP



NEW

BOLLYTERM®
HP 1 - HP 2



SYSTEM WITH
ENERGY
EFFICIENCY

CLASS
A+++



ENERGY SAVINGS THROUGHOUT THE WHOLE YEAR



APPLICATION

The solar thermal system **BOLLYTERM® HP CVT** guarantees total coverage of DHW demand even in the most difficult climatic conditions with renewable energy sources through the integrated heat pump and the solar collectors with Cordivari vacuum technology CVT.

The high C.O.P guarantees maximum energy savings in support of the CVT collectors and the specific calorifier for solar systems that maximizes the performances of both energy sources by configuring a system with energy efficiency class A+++.

SOLAR COLLECTOR CVT

High selective solar vacuum tube collector PVD, of the type Sydney with heat pipe technology.

- Anodized aluminum structure.
- Parabolic concentrator mirror CPC
- Anti-hail tubes
- In compliance with **UNI EN 12975** regulation

CALORIFIER

- **BOLLYTERM® HP** from 200 and 300 lt capacity
- Mild steel
- Integrated heat pump
- Internal Polywarm coating, suitable for drinking water (D.M. n.174 of the 06.04.04)
- 1 or 2 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

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.



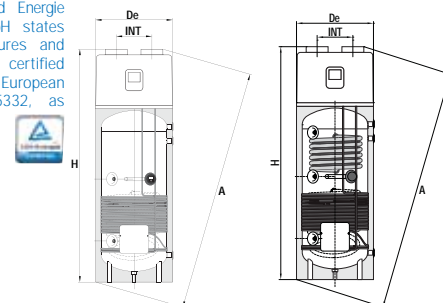
www.cordivari.com/erp

ON LINE Erp LABEL TOOL

ASK ALWAYS FOR
CERTIFIED LABORATORIES
DATA RESULTS

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 EArt. Nr.sign ErP Directive.



SYSTEM COMPONENTS

INCLUDED

High selective solar vacuum tube collector PVD, of the type Sydney with heat pipe technology	✓
BOLLYTERM® 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 CVT

FORCED CIRCULATION SYSTEM FOR DHW WITH VACUUM TUBE COLLECTORS AND CALORIFIER FOR HEAT PUMP



Calorifier model	200	200	300	300
Nr. Of collectors (*)	1x10	1x15	2x10	2x15
Total surface area m ²	2,17	3,22	4,34	6,44
Calorifier type	BOLLYTERM® HP 1			
Nr. Recommended users	4-5	5-6	5-6	6-7

	Model description	200HPI CVT10 TF	200HPI CVT15 TF	300HPI 2CVT10 TF	300HPI 2CVT15 TF
	ART. NR.	3410316618939	3410316618940	3410316618941	3410316618942

	Model description	200HPI CVT10 TP	200HPI CVT15 TP	300HPI 2CVT10 TP	300HPI 2CVT15 TP
	ART. NR.	3410316618943	3410316618944	3410316618945	3410316618946

Calorifier model	300	300
Nr. Of collectors (*)	2x10	2x15
Total surface area m ²	4,34	6,44
Calorifier type	BOLLYTERM® HP 2	
Nr. Recommended users	5-6	6-7

	Model description	300HP2 2CVT 10 TF	300HP2 2CVT 15 TF
	ART. NR.	3410316618947	3410316618948

	Model description	300HP2 2CVT 10 TP	300HP2 2CVT 15 TP
	ART. NR.	3410316618949	3410316618950

(*) Cordivari vacuum tube collectors CVT10 and CVT15 (with heat pipe technology).

Fixing kit and other components see accessories section.