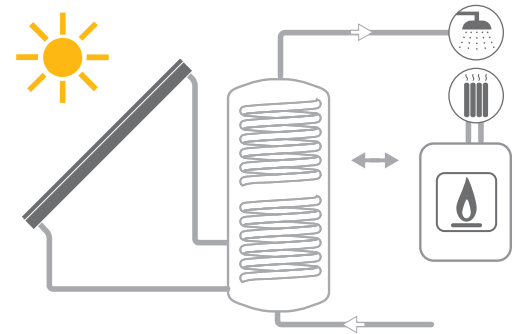


# SOLAR THERMAL SYSTEM B2 CVT

FORCED CIRCULATION SYSTEM FOR DHW WITH VACUUM TUBE COLLECTORS AND DOUBLE COIL CALORIFIER FOR BOILER INTEGRATION



The **B2 CVT** solar thermal system employs the Cordivari CVT vacuum tube collectors in combination with the configuration with the calorifier with 2 fixed heat exchangers. This maximizes the performance in the production of DHW from solar heat source even at higher latitudes or in very cold climates thanks to the high selective collectors with vacuum technology.

## SOLAR COLLECTOR

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

- Parabolic concentrator mirror CPC
- Impact test according to EN 12975 and EN 9806

## CALORIFIER

- **BOLLY® 2 ST** with double fixed heat exchanger
- Tank in carbon steel
- Internal Polywarm coating, suitable for drinking water according to 98/83/CE and subsequent amendments and DHW certification of internal Polywarm treatment DHW - SSICA - DVGW -W270 - UBA - WRAS
- Insulation: Rigid fixed polyurethane hard foam with high thermal insulation or removable soft

NOFIRE polster fiber 100% recyclable with high thermal insulation and fire resistance class B s2d0 (EN13501) and external PVC cover.  
- Tested in accordance with European standard EN 12897:2006

## WARRANTY

5 years - See general sales and warranty conditions

## ACCESSORIES ON REQUEST



Electrical heater



Pre-insulated pipe

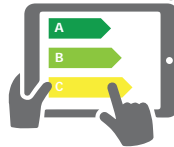


Balancing valve



Thermostatic mixing valve (for systems up to 500)

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

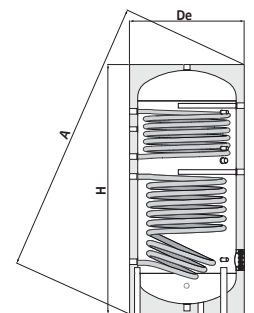


ON LINE ERP LABEL TOOL

ALWAYS ASK 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

| SYSTEM COMPONENTS   | INCLUDED |
|---|----------|
| High selective solar vacuum tube collector PVD, of the type Sydney with heat pipe technology                                    | ✓        |
| BOLLY® 2 ST calorifier  | ✓        |
| Circulation unit BASIC complete of circulator electronic control, flow regulator, safety valve, thermometer, temperature probes | ✓        |
| Expansion vessel<br>Until mod. 500: 1x24 lt - from 800 to 1500: 1x50 lt   | ✓        |
| Non-toxic heat transfer fluid   | ✓        |
| Solar thermostatic mixing valve (Included up to model 500)  | ✓        |
| Fixing kit and fittings   | ✓        |

## BOLLY® 2 ST

| MODEL       | ENERGY EFFICIENCY CLASS |      |      | TESTED ERP |
|-------------|-------------------------|------|------|------------|
|             | De                      | H    | A    |            |
|             | [mm]                    |      |      |            |
| <b>150</b>  | 500                     | 1414 | 1500 | <b>B</b>   |
| <b>200</b>  | 550                     | 1434 | 1536 | <b>B</b>   |
| <b>300</b>  | 650                     | 1486 | 1622 | <b>B</b>   |
| <b>400</b>  | 700                     | 1766 | 1900 | <b>C</b>   |
| <b>500</b>  | 750                     | 1786 | 1937 | <b>C</b>   |
| <b>800</b>  | 950                     | 2189 | 2367 | <b>B</b>   |
| <b>1000</b> | 1050                    | 2223 | 2438 | <b>B</b>   |
| <b>1500</b> | 1150                    | 2471 | 2705 | <b>C</b>   |

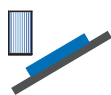


For more information and technical data of the calorifiers and buffer tanks please refer to the Cordivari Calorifiers and buffer tanks catalogue.



# SOLAR THERMAL SYSTEM B2 CVT

FORCED CIRCULATION SYSTEM FOR DHW WITH VACUUM TUBE COLLECTORS AND DOUBLE COIL CALORIFIER FOR BOILER INTEGRATION



VT COLLECTORS - PITCHED ROOF



VT COLLECTORS - FLAT ROOF

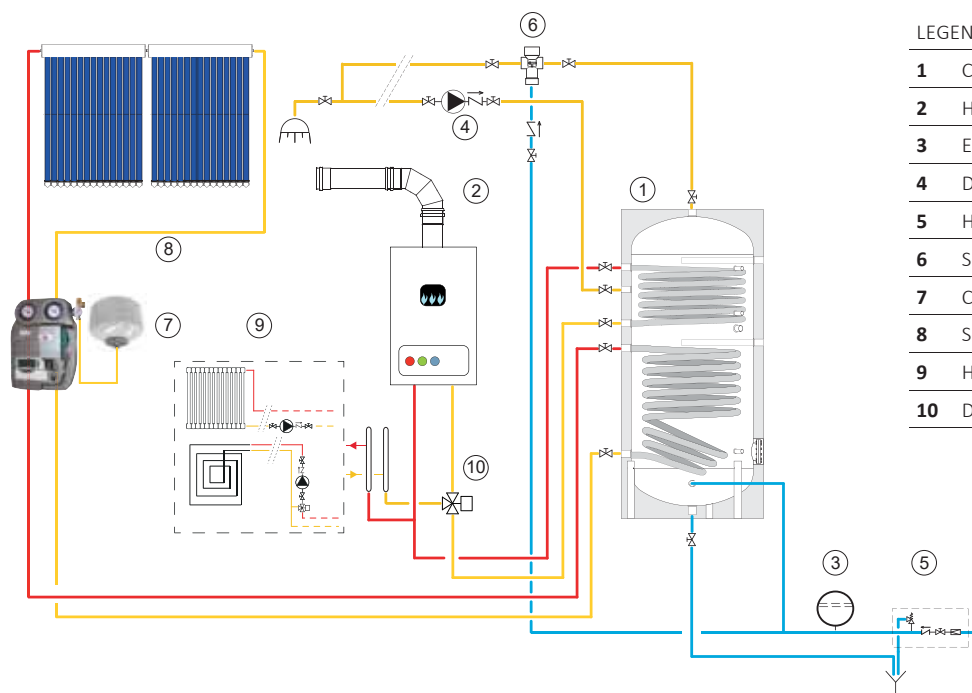
Calorifier type:

**BOLLY® 2 ST**

| Calorifier model | Nr. of collectors (*) | Total surface area m <sup>2</sup> | Nr. Recommended users | Description/<br>Art. Nr. | Description/<br>Art. Nr. |
|------------------|-----------------------|-----------------------------------|-----------------------|--------------------------|--------------------------|
| 150              | 1x10                  | 2,17                              | 1-3                   | 150B2 CVT10 TF           | 150B2 CVT10 TP           |
|                  |                       |                                   |                       | 3410316618901            | 3410316618914            |
| 200              | 1x10                  | 2,17                              | 3-4                   | 200B2 CVT10 TF           | 200B2 CVT10 TP           |
|                  |                       |                                   |                       | 3410316618902            | 3410316618915            |
| 200              | 1x15                  | 3,22                              | 4-5                   | 200B2 CVT15 TF           | 200B2 CVT15 TP           |
|                  |                       |                                   |                       | 3410316618903            | 3410316618916            |
| 300              | 2x10                  | 4,34                              | 5-6                   | 300B2 2CVT10 TF          | 300B2 2CVT10 TP          |
|                  |                       |                                   |                       | 3410316618904            | 3410316618917            |
| 300              | 2x15                  | 6,44                              | 5-7                   | 300B2 2CVT15 TF          | 300B2 2CVT15 TP          |
|                  |                       |                                   |                       | 3410316618905            | 3410316618918            |
| 400              | 2x15                  | 6,44                              | 6-7                   | 400B2 2CVT15 TF          | 400B2 2CVT15 TP          |
|                  |                       |                                   |                       | 3410316618906            | 3410316618919            |
| 500              | 2x15                  | 6,44                              | 7-8                   | 500B2 2CVT15 TF          | 500B2 2CVT15 TP          |
|                  |                       |                                   |                       | 3410316618907            | 3410316618920            |
| 500              | 4x10                  | 8,68                              | 8-9                   | 500B2 4CVT10 TF          | 500B2 4CVT10 TP          |
|                  |                       |                                   |                       | 3410316618908            | 3410316618921            |
| 800              | 4x15                  | 12,88                             | 9-12                  | 800B2 4CVT15 TF          | 800B2 4CVT15 TP          |
|                  |                       |                                   |                       | 3410316618909            | 3410316618922            |
| 800              | 5x15                  | 16,1                              | 12-15                 | 800B2 5CVT15 TF          | 800B2 5CVT15 TP          |
|                  |                       |                                   |                       | 3410316618910            | 3410316618923            |
| 1000             | 5x15                  | 16,1                              | 15-20                 | 1000B2 5CVT15 TF         | 1000B2 5CVT15 TP         |
|                  |                       |                                   |                       | 3410316618911            | 3410316618924            |
| 1500             | 6x15                  | 19,32                             | 20-24                 | 1500B2 6CVT15 TF         | 1500B2 6CVT15 TP         |
|                  |                       |                                   |                       | 3410316618912            | 3410316618925            |
| 1500             | 8x15                  | 25,76                             | 24-32                 | 1500B2 8CVT15 TF         | 1500B2 8CVT15 TP         |
|                  |                       |                                   |                       | 3410316618913            | 3410316618926            |

(\*) Cordivari vacuum tubes collector – (Vacuum tube with heat pipe technology).

For fixing kit and other components see accessories section.



## LEGEND

- |    |                                  |
|----|----------------------------------|
| 1  | Calorifier BOLLY® 2 ST           |
| 2  | Heat source (gas boiler)         |
| 3  | Expansion vessel                 |
| 4  | DHW circulation group pump       |
| 5  | Hydraulic safety group           |
| 6  | Solar thermostatic mixing valve  |
| 7  | Complete solar circulation group |
| 8  | Solar collector/s                |
| 9  | Heating system                   |
| 10 | Diverting valve                  |

NOTE: The shown installation examples are for illustrative purposes only. For the correct configuration always refer to a qualified installer.