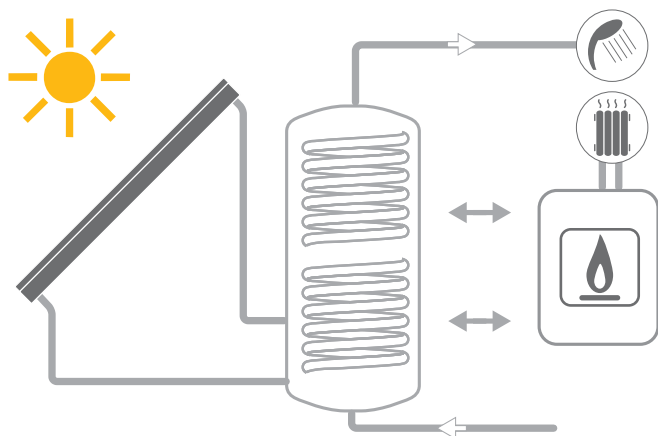


# SOLAR THERMAL SYSTEM B2

FORCED CIRCULATION SYSTEM WITH A DOUBLE FIXED COIL CALORIFIER



## RELIABILITY ALL THE YEAR



### APPLICATION

The Solar thermal system **B2** represents the most widespread and consolidated configuration of installations. It best expresses the reliability and high performances in the production of DHW through solar source.

### SOLAR COLLECTOR

- Insulation in mineral wool
- Anodized aluminum structure
- Highly selective absorber
- Anti-hail tempered glass
- In compliance with **UNI EN 12975** regulation

### CALORIFIER

- **BOLLY® 2 ST** with capacity from 150 to 1500 lt in compliance with EN 12897:2006 Regulation
- Mild steel
- Internal coating Polywarm® suitable for drinking water according to the D.M. nr 174 of 06/04/2004 and DHW attestations ACS-SSICA-DVGW-W270-UBA-WRAS
- 2 Polywarm® coated fixed heat exchangers
- Connections for electrical heater integration
- **INSULATION:** Ecological polyurethane **HARD** foam; **SOFT NOFIRE** polyester fleece 100% made of recyclable material with high thermal

insulation. Fire resistance class B-s 2d0 according to EN 13501. Grey PVC external lining, upper top and flange cover in ABS.

### ACCESSORIES

See accessories section

### WARRANTY

5 years  
See general sales and warranty conditions

### ACCESSORIES ON REQUEST



Electrical heating



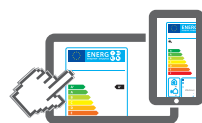
Pre-insulated pipe



Balancing valve



Thermostatic mixing valve (for systems > 500lt)



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

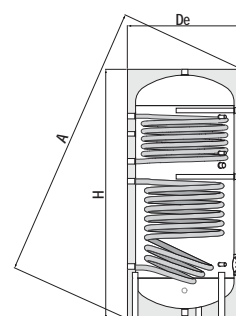
ON LINE Erp LABEL TOOL

For more information see accessories section.

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

|   |   |
|---|---|
| Highly selective solar collector  | ✓ |
| BOLLY® 2 ST calorifier  | ✓ |
| Expansion vessel lt 24 till lt 500; Expansion vessel lt 50 till lt 1500 l   | ✓ |
| Circulation unit BASIC complete of circulator electronic control, flow regulator, safety valve, thermometer, temperature probes | ✓ |
| Non-toxic heat transfer fluid   | ✓ |
| Solar thermostatic mixing valve (Included up to 500 lt model)   | ✓ |
| Fixing kit and fittings   | ✓ |

### BOLLY® 2

ENERGY  
EFFICIENCY  
CLASS

| MODEL       | 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>C</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>C</b> |
| <b>1000</b> | 1050 | 2223 | 2438 | <b>C</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.

STRATOS®

SYSTEMS WITH FLAT  
COLLECTORS

SYSTEMS WITH SOLAR  
VACUUM TUBE COLLECTOR

COLLECTORS AND  
ACCESSORIES

TECHNICAL SUPPORT

# SOLAR THERMAL SYSTEM B2

FORCED CIRCULATION SYSTEM WITH A DOUBLE FIXED COIL CALORIFIER



| Calorifier model                  | 150                    | 200                    | 200                    | 300                    | 300                    | 400                    |
|-----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Nr. Of collectors                 | 1 x 2,5 m <sup>2</sup> | 1 x 2,5 m <sup>2</sup> | 2 x 2,5 m <sup>2</sup> | 2 x 2,5 m <sup>2</sup> | 3 x 2,5 m <sup>2</sup> | 2 x 2,5 m <sup>2</sup> |
| Total surface area m <sup>2</sup> | 2,5                    | 2,5                    | 5                      | 5                      | 7,5                    | 5                      |
| Calorifier type                   | BOLLY® 2 ST            |                        |                        |                        |                        |                        |
| Nr. Recommended users             | 1-3                    | 3-4 <sup>(*)</sup>     | 4-5                    | 5-6                    | 5-7                    | 6-7 <sup>(*)</sup>     |

|  |                   |                |                |               |               |                |               |
|--|-------------------|----------------|----------------|---------------|---------------|----------------|---------------|
|  | Model description | 150B2 2,5MQ TF | 200B2 2,5MQ TF | 200B2 5MQ TF  | 300B2 5MQ TF  | 300B2 7,5MQ TF | 400B2 5MQ TF  |
|  | ART. NR.          | 3410316618532  | 3410316618533  | 3410316618534 | 3410316618535 | 3410316618244  | 3410316618536 |

|  |                   |                |                |               |               |                |               |
|--|-------------------|----------------|----------------|---------------|---------------|----------------|---------------|
|  | Model description | 150B2 2,5MQ TP | 200B2 2,5MQ TP | 200B2 5MQ TP  | 300B2 5MQ TP  | 300B2 7,5MQ TP | 400B2 5MQ TP  |
|  | ART. NR.          | 3410316618632  | 3410316618633  | 3410316618634 | 3410316618635 | 3410316618248  | 3410316618636 |

|  |                   |                    |                    |                  |                  |                    |                  |
|--|-------------------|--------------------|--------------------|------------------|------------------|--------------------|------------------|
|  | Model description | 150B2 2,5MQ INCAS. | 200B2 2,5MQ INCAS. | 200B2 5MQ INCAS. | 300B2 5MQ INCAS. | 300B2 7,5MQ INCAS. | 400B2 5MQ INCAS. |
|  | ART. NR.          | 3410316618232      | 3410316618233      | 3410316618234    | 3410316618235    | 3410316618245      | 3410316618236    |

## EXECUTIONS ON REQUEST

|  |                   |                   |                   |                 |                 |                   |                 |
|--|-------------------|-------------------|-------------------|-----------------|-----------------|-------------------|-----------------|
|  | Model description | 150B2 2,5MQ TF OR | 200B2 2,5MQ TF OR | 200B2 5MQ TF OR | 300B2 5MQ TF OR | 300B2 7,5MQ TF OR | 400B2 5MQ TF OR |
|  | ART. NR.          | -                 | 3410316618563     | 3410316618564   | 3410316618565   | 3410316618246     | 3410316618566   |

|  |                   |                   |                   |                 |                 |                   |                 |
|--|-------------------|-------------------|-------------------|-----------------|-----------------|-------------------|-----------------|
|  | Model description | 150B2 2,5MQ TP OR | 200B2 2,5MQ TP OR | 200B2 5MQ TP OR | 300B2 5MQ TP OR | 300B2 7,5MQ TP OR | 400B2 5MQ TP OR |
|  | ART. NR.          | -                 | 3410316618663     | 3410316618664   | 3410316618665   | 3410316618249     | 3410316618666   |

|  |                   |                |                |              |              |                |              |
|--|-------------------|----------------|----------------|--------------|--------------|----------------|--------------|
|  | Model description | 150B2 2,5MQ VT | 200B2 2,5MQ VT | 200B2 5MQ VT | 300B2 5MQ VT | 300B2 7,5MQ VT | 400B2 5MQ VT |
|--|-------------------|----------------|----------------|--------------|--------------|----------------|--------------|

## SYSTEMS WITHOUT FIXING KIT WITH VERTICAL COLLECTORS

|                   |                      |                      |                    |                    |                      |                    |
|-------------------|----------------------|----------------------|--------------------|--------------------|----------------------|--------------------|
| Model description | 150B2 2,5MQ SZ CARP. | 200B2 2,5MQ SZ CARP. | 200B2 5MQ SZ CARP. | 300B2 5MQ SZ CARP. | 300B2 7,5MQ SZ CARP. | 400B2 5MQ SZ CARP. |
| ART. NR.          | 3410316618332        | 3410316618333        | 3410316618334      | 3410316618335      | 3410316618247        | 3410316618336      |

Fixing kit and other components see accessories section.

<sup>(\*)</sup> Systems designed for use in areas with high annual sun irradiation more than 1600 kw/h m<sup>2</sup>

# SOLAR THERMAL SYSTEM B2

FORCED CIRCULATION SYSTEM WITH A DOUBLE FIXED COIL CALORIFIER



STRATOS®

SYSTEMS WITH FLAT COLLECTORS

SYSTEMS WITH SOLAR VACUUM TUBE COLLECTOR

COLLECTORS AND ACCESSORIES

TECHNICAL SUPPORT

| 400                    | 500                    | 500                    | 800                    | 1000                   | 1000                   | 1500                    |
|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|
| 3 x 2,5 m <sup>2</sup> | 3 x 2,5 m <sup>2</sup> | 4 x 2,5 m <sup>2</sup> | 5 x 2,5 m <sup>2</sup> | 6 x 2,5 m <sup>2</sup> | 8 x 2,5 m <sup>2</sup> | 10 x 2,5 m <sup>2</sup> |
| 7,5                    | 7,5                    | 10                     | 12,5                   | 15                     | 20                     | 25                      |
| BOLLY® 2 ST            |                        |                        |                        |                        |                        |                         |
| 7-8                    | 8-9                    | 9-12                   | 12-15                  | 15-20                  | 20-24                  | 24-32                   |
| 400B2 7,5MQ<br>TF      | 500B2 7,5MQ<br>TF      | 500B2 10MQ<br>TF       | 800B2 12,5MQ<br>TF     | 1000B2 15MQ<br>TF      | 1000B2 20MQ<br>TF      | 1500B2 25MQ<br>TF       |
| 3410316618537          | 3410316618538          | 3410316618539          | 3410316618540          | 3410316618541          | 3410316618542          | 3410316618543           |
| 400B2 7,5MQ<br>TP      | 500B2 7,5MQ<br>TP      | 500B2 10MQ<br>TP       | 800B2 12,5MQ<br>TP     | 1000B2 15MQ<br>TP      | 1000B2 20MQ<br>TP      | 1500B2 25MQ<br>TP       |
| 3410316618637          | 3410316618638          | 3410316618639          | 3410316618640          | 3410316618641          | 3410316618642          | 3410316618643           |
| 400B2 7,5MQ<br>INCAS.  | 500B2 7,5MQ<br>INCAS.  | 500B2 10MQ<br>INCAS.   | 800B2 12,5MQ<br>INCAS. | 1000B2 15MQ<br>INCAS.  | 1000B2 20MQ<br>INCAS.  | 1500B2 25MQ<br>INCAS.   |
| 3410316618237          | 3410316618238          | 3410316618239          | 3410316618240          | 3410316618241          | 3410316618242          | 3410316618243           |

## EXECUTIONS ON REQUEST

|                      |                      |                     |                       |                      |                      |                      |
|----------------------|----------------------|---------------------|-----------------------|----------------------|----------------------|----------------------|
| 400B2 7,5MQ<br>TF OR | 500B2 7,5MQ<br>TF OR | 500B2 10MQ<br>TF OR | 800B2 12,5MQ<br>TF OR | 1000B2 15MQ<br>TF OR | 1000B2 20MQ<br>TF OR | 1500B2 25MQ<br>TF OR |
| -                    | 3410316618568        | -                   | -                     | 3410316618571        | -                    | -                    |
| 400B2 7,5MQ<br>TP OR | 500B2 7,5MQ<br>TP OR | 500B2 10MQ<br>TP OR | 800B2 12,5MQ<br>TP OR | 1000B2 15MQ<br>TP OR | 1000B2 20MQ<br>TP OR | 1500B2 25MQ<br>TP OR |
| -                    | 3410316618668        | -                   | -                     | 3410316618671        | -                    | -                    |
| 400B2 7,5MQ<br>VT    | 500B2 7,5MQ<br>VT    | 500B2 10MQ<br>VT    | 800B2 12,5MQ<br>VT    | 1000B2 15MQ<br>VT    | 1000B2 20MQ<br>VT    | 1500B2 25MQ<br>VT    |

## SYSTEMS WITHOUT FIXING KIT WITH VERTICAL COLLECTORS

|                         |                         |                        |                          |                         |                         |                         |
|-------------------------|-------------------------|------------------------|--------------------------|-------------------------|-------------------------|-------------------------|
| 400B2 7,5MQ<br>SZ CARP. | 500B2 7,5MQ<br>SZ CARP. | 500B2 10MQ<br>SZ CARP. | 800B2 12,5MQ<br>SZ CARP. | 1000B2 15MQ<br>SZ CARP. | 1000B2 20MQ<br>SZ CARP. | 1500B2 25MQ<br>SZ CARP. |
| 3410316618337           | 3410316618338           | 3410316618339          | 3410316618340            | 3410316618341           | 3410316618342           | 3410316618343           |

Fixing kit and other components see accessories section.