



## Application range

- for charging buffer storage tanks
- with heat quantity measurement according to the BAFA promotion directive for solar thermal systems

**The CE-conformity of the installation has been certified according to DIN EN 60335.**

## Application range

- up to 400 m<sup>2</sup> Collector surface area

**For information on design data and solpump performance data, see page 261 / 264**

## Operating data

|                               |                                      |
|-------------------------------|--------------------------------------|
| Max. pressure                 | primary: 6 bars<br>secondary: 6 bars |
| Maximum operating temperature | primary: 120 °C<br>secondary: 95 °C  |
| Operating mode 1              | 15 l/(m <sup>2</sup> xh)             |
| Operating mode 2              | 25 l/(m <sup>2</sup> xh)             |

## Technical data

### Equipment

|                              |                                                    |
|------------------------------|----------------------------------------------------|
| Check valves                 | primary: 4 x 200 mm wc<br>secondary: 4 x 200 mm wc |
| Heat exchanger               | 4 x 50 Plates, Type XB37M                          |
| Controllers                  | SC5.14                                             |
| Sensors                      | 4 x Pt1000 (mounted)                               |
| FlowRotor (primary)          | 2-130 l/min                                        |
| Pressure gauge               | 0-6 bars, temperature-resistant                    |
| Solar pressure relief valve: | primary: 6 bars<br>secondary: 6 bars               |

### Dimensions

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| Nominal diameter    | DN 50 (2")                                                                               |
| Connections         | primary: 2" ext. thread /<br>flange DN 50<br>secondary: 2" ext.<br>thread / flange DN 50 |
| Width               | 1420 mm                                                                                  |
| Centre distance     | 158 mm                                                                                   |
| Height              | 1672 mm                                                                                  |
| Installation length | 1672 mm                                                                                  |
| Depth               | 920 mm                                                                                   |

### Materials

|                     |                                                                 |
|---------------------|-----------------------------------------------------------------|
| Valves and fittings | Brass                                                           |
| Gaskets             | EPDM or AFM 34,<br>asbestos-free                                |
| Insulation          | EPP                                                             |
| Check valves        | Brass                                                           |
| Heat exchanger      | Solder: 99.99 % copper<br>Plates + connecting<br>pieces: 1.4400 |

## SolexMega-Kaskade HZ - DN 50 (2")

Item no. € / piece



prim.: Grundfos UPMXL 25-125, sec.: Grundfos UPML 25-105

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## Accessories



### Return distribution set 2" internal thread

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3-way valve with actuator, setting time 90°: 35 sec., Kvs value: 40  
for FriwaMega-Kaskade, SolexMega-Kaskade HZ

## SolexMega-Kaskade HZ Mounting example, differential pressure diagram



SolexMega-Kaskade HZ with diaphragm expansion tank

Differential pressure diagram

