

## SolexMax-Kaskade

Innovative system technology for modern heating and solar thermal systems



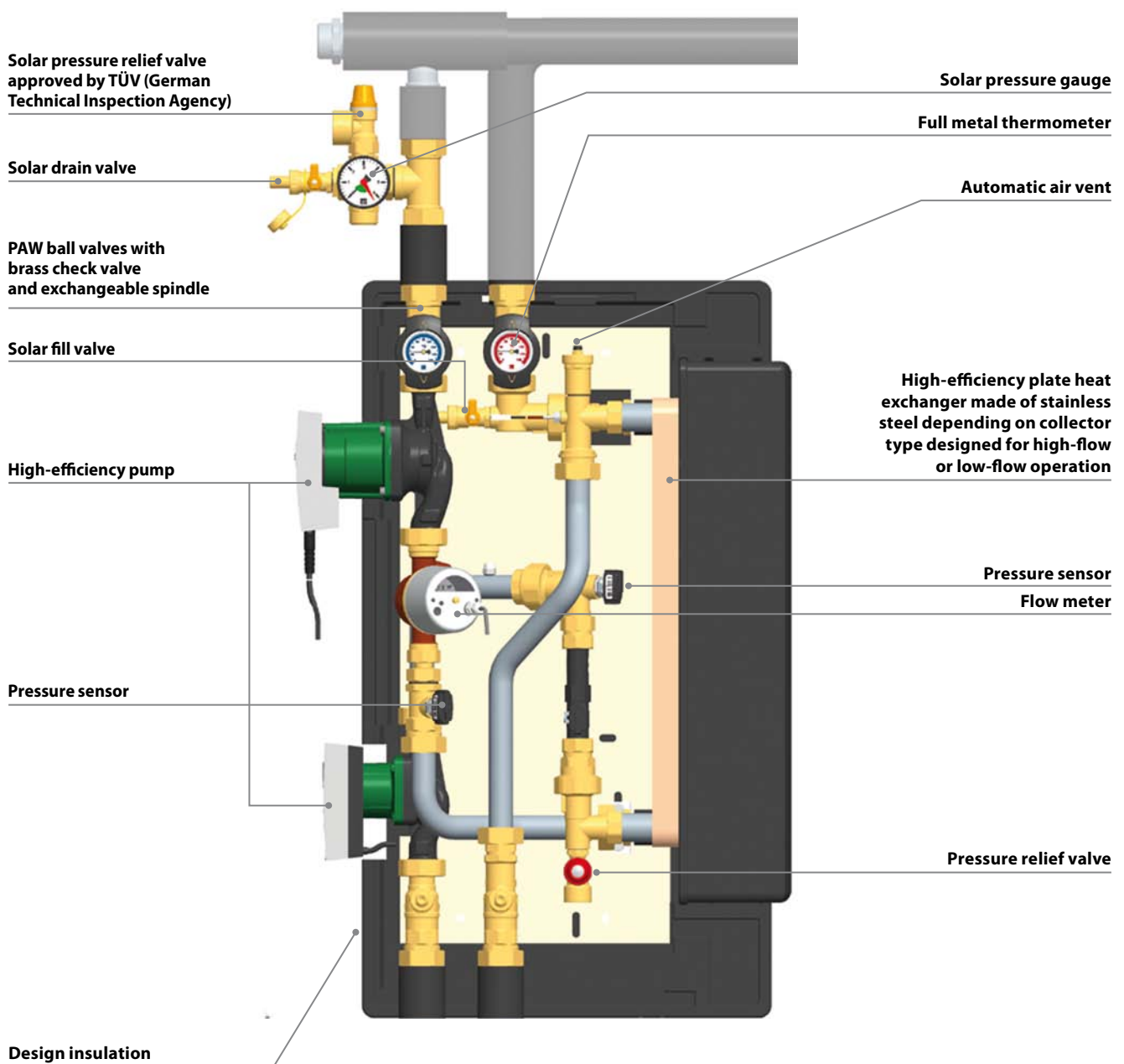


## SolexMax-Kaskade

- for charging of buffer storage tanks
- for charging of domestic hot water storage tanks

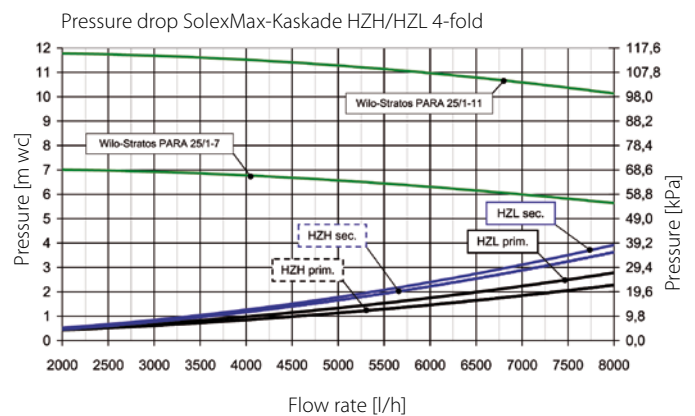
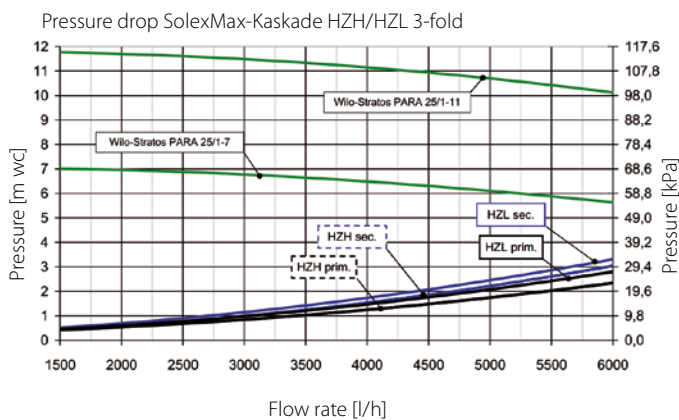
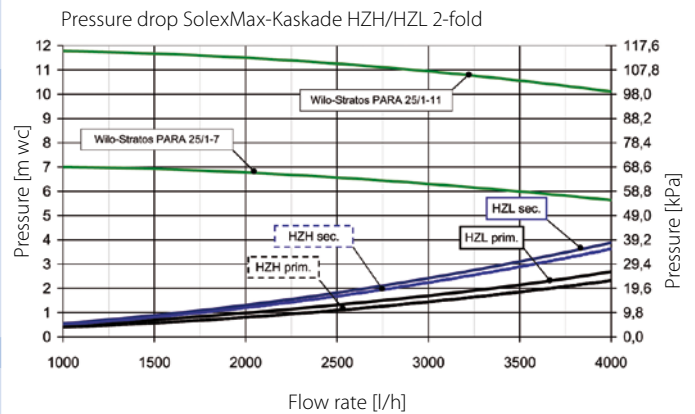
The premounted solar transfer station for high-flow or low-flow operation, group of fittings completely insulated, with generously dimensioned stainless steel plate heat exchanger, with preset and prewired controller, assures a simple and quick installation as well as a safe commissioning.

The SolexMax-Kaskade modules offer you the following features:



# Technical data

SolexMax-Kaskade per module	Heating HZH / HZL	Domestic water TWH / TWL
<b>Materials</b>		
Valves and fittings	Brass	Brass
Seals	Klingersil/EPDM	Klingersil/EPDM
Insulation	EPP	EPP
Check valves	Brass/Stainless steel	Brass/Stainless steel
<b>Technical data</b>		
Max. pressure	6 bars	6 bars
Max. operating temperature	120 °C	120 °C
<b>Equipment</b>		
Airstop		
Check valves	2 x 200 mm wc	200 mm wc
Pressure relief valve	6 bars, for solar thermal systems 3 bars, for heating installations	6 bars, for solar thermal systems 6 bars, for domestic hot water systems
Pressure gauge	0-6 bars, resistant to high temperatures	0-6 bars, resistant to high temperatures
Thermometer	0-160 °C in the solar circuit	0-160 °C in the solar circuit
Controller	SC8.24	SC8.24
<b>Dimensions</b>		
Connections	1" internal thread primary 1" internal thread sec.	1" internal thread primary 1¼" internal thread sec.
Width	558 mm	558 mm
Height	1035 mm	1035 mm



Conditions: Irradiation = 800 W/m<sup>2</sup>; efficiency  $\eta_{0,05} = 65\%$

### SolexMax-Kaskade for high-flow systems [25-40 l / (m<sup>2</sup> collector x h)]

HZH/TWH	Collector surface with 25 l (m <sup>2</sup> x h)	Temperature difference (collector inlet/collector outlet)	Performance	Collector surface with 40 l (m <sup>2</sup> x h)	Temperature difference (collector inlet/collector outlet)	Performance
2-fold	145 m <sup>2</sup>	20 K	73 kW	90 m <sup>2</sup>	12 K	45 kW
3-fold	215 m <sup>2</sup>		108 kW	135 m <sup>2</sup>		68 kW
4-fold	290 m <sup>2</sup>		145 kW	180 m <sup>2</sup>		90 kW

### SolexMax-Kaskade for low-flow systems [15-20 l / (m<sup>2</sup> collector x h)]

HZL/TWL	Collector surface with 15 l (m <sup>2</sup> x h)	Temperature difference (collector inlet/collector outlet)	Performance	Collector surface with 20 l (m <sup>2</sup> x h)	Temperature difference (collector inlet/collector outlet)	Performance
2-fold	215 m <sup>2</sup>	33 K	108 kW	160 m <sup>2</sup>	25 K	80 kW
3-fold	320 m <sup>2</sup>		160 kW	240 m <sup>2</sup>		120 kW
4-fold	430 m <sup>2</sup>		215 kW	320 m <sup>2</sup>		160 kW

Illustration	SolexMax-Kaskade HZH/HZL	Item no.	
	<b>SolexMax-Kaskade HZH</b>		
	prim.: <b>Wilo-Stratos PARA 25/1-11</b> , sec.: <b>Wilo-Stratos PARA 25/1-7</b>	<b>2-fold</b>	<b>60928502</b>
	prim.: <b>Wilo-Stratos PARA 25/1-11</b> , sec.: <b>Wilo-Stratos PARA 25/1-7</b>	<b>3-fold</b>	<b>60928503</b>
	prim.: <b>Wilo-Stratos PARA 25/1-11</b> , sec.: <b>Wilo-Stratos PARA 25/1-7</b>	<b>4-fold</b>	<b>60928504</b>
	<b>SolexMax-Kaskade HZL</b>		
	prim.: <b>Wilo-Stratos PARA 25/1-11</b> , sec.: <b>Wilo-Stratos PARA 25/1-7</b>	<b>2-fold</b>	<b>60928422</b>
	prim.: <b>Wilo-Stratos PARA 25/1-11</b> , sec.: <b>Wilo-Stratos PARA 25/1-7</b>	<b>3-fold</b>	<b>60928423</b>
	prim.: <b>Wilo-Stratos PARA 25/1-11</b> , sec.: <b>Wilo-Stratos PARA 25/1-7</b>	<b>4-fold</b>	<b>60928424</b>

Illustration	SolexMax-Kaskade TWH/TWL	Item no.	
	<b>SolexMax-Kaskade TWH</b>		
	prim.: <b>Wilo-Stratos PARA 25/1-11</b> , sec.: <b>Wilo-Stratos PARA 25/1-8</b>	<b>2-fold</b>	<b>60948502</b>
	prim.: <b>Wilo-Stratos PARA 25/1-11</b> , sec.: <b>Wilo-Stratos PARA 25/1-8</b>	<b>3-fold</b>	<b>60948503</b>
	prim.: <b>Wilo-Stratos PARA 25/1-11</b> , sec.: <b>Wilo-Stratos PARA 25/1-8</b>	<b>4-fold</b>	<b>60948504</b>
	<b>SolexMax-Kaskade TWL</b>		
	prim.: <b>Wilo-Stratos PARA 25/1-11</b> , sec.: <b>Wilo-Stratos PARA 25/1-8</b>	<b>2-fold</b>	<b>60948422</b>
	prim.: <b>Wilo-Stratos PARA 25/1-11</b> , sec.: <b>Wilo-Stratos PARA 25/1-8</b>	<b>3-fold</b>	<b>60948423</b>
	prim.: <b>Wilo-Stratos PARA 25/1-11</b> , sec.: <b>Wilo-Stratos PARA 25/1-8</b>	<b>4-fold</b>	<b>60948424</b>