

## SolexMini Basic/Premium TWH/TWL

Innovative system technology for modern heating and solar thermal systems

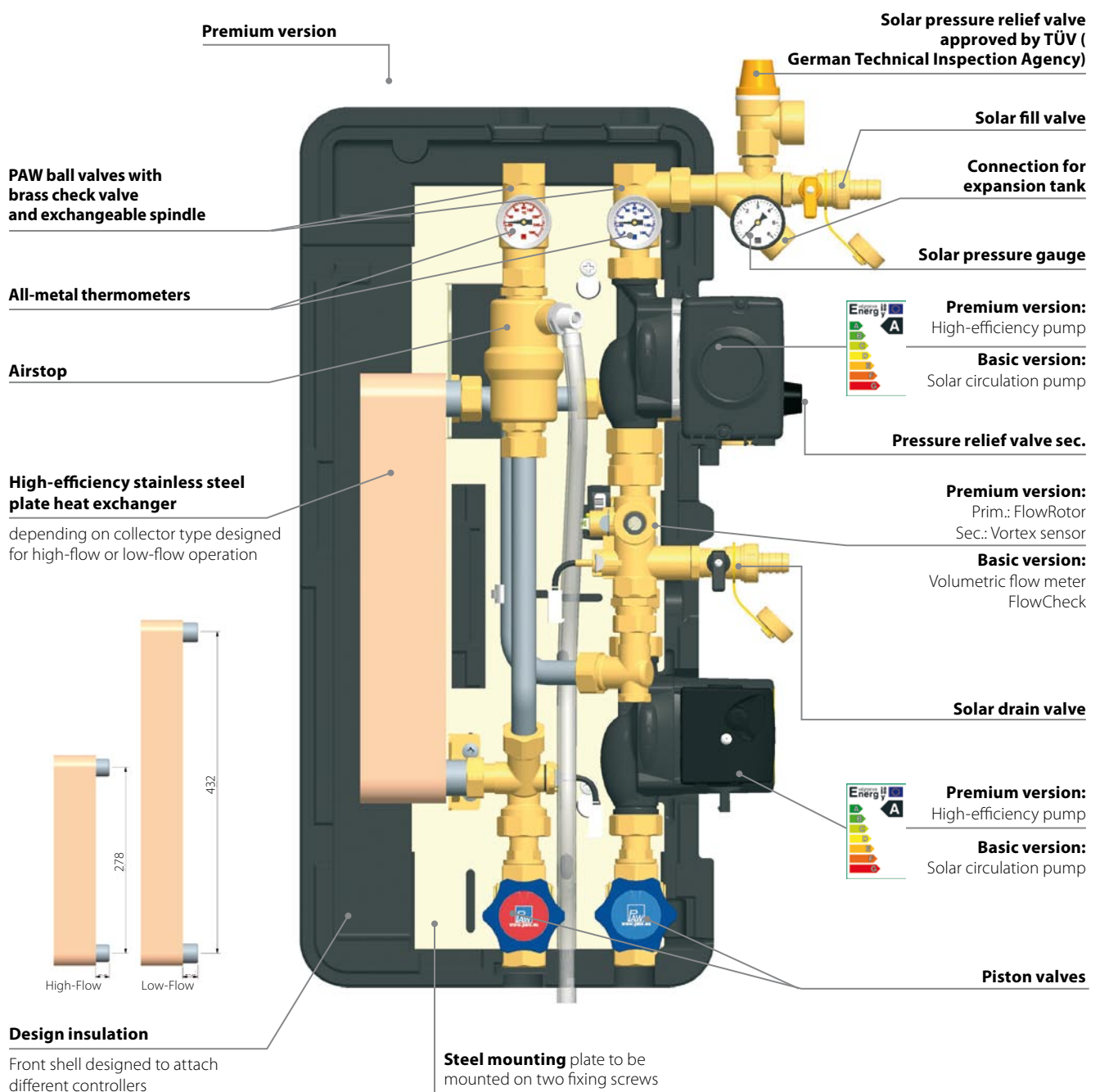




# SolexMini Basic/Premium TWH/TWL

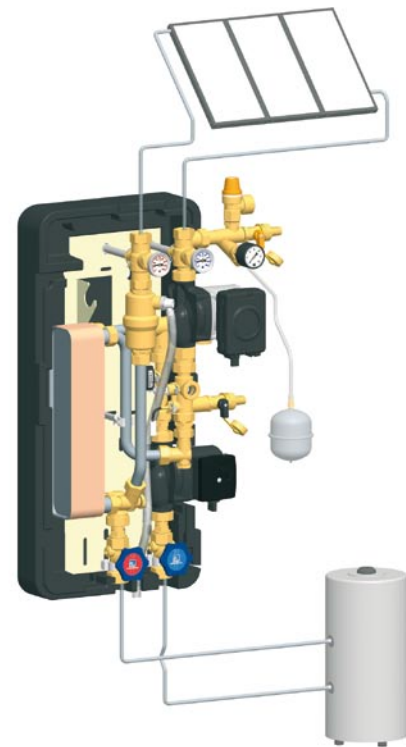
## Solar transfer station for charging domestic hot water tanks

The compact and completely premounted solar transfer station for high-flow or low-flow operation, 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 transfer station is available as Basic or Premium version and offers you the following features:

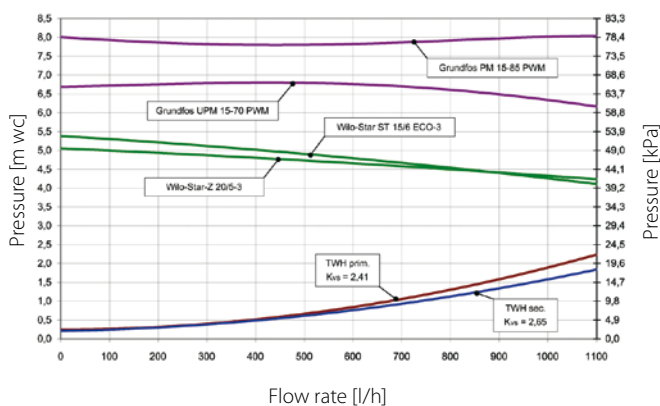


# Technical data

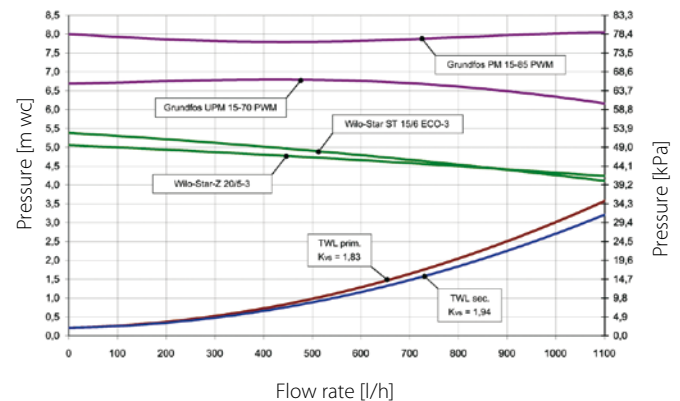
<b>Materials</b>	
Valves and fittings	Brass
Gaskets	Klingersil/EPDM
Insulation	EPP
Check valves	Brass/Stainless steel
Heat exchanger	Plates + connecting pieces: 1.4401 Solder: 99,99 % copper
<b>Technical data</b>	
Max. pressure	6 bars
Max. operating temperature	120 °C
<b>Equipment</b>	
Airstop	
Check valves	200 mm wc primary 200 mm wc secondary
Pressure relief valve	6 bars, for solar thermal systems 6 bars, for domestic hot water systems
Pressure gauge	0-6 bars, resistant to high temperatures
Thermometer	0-160 °C in the solar circuit
Controller	SC2.8 (Standard)
<b>Dimensions</b>	
Connections	¾" internal thread
Width	350 mm
Height	610 mm



Pressure drop SolexMini Basic/Premium TWH



Pressure drop SolexMini Basic/Premium TWL



## SolexMini - for high-flow systems up to 20 m<sup>2</sup> [25-40 l / (m<sup>2</sup> collector x h)]

SolexMini - TWH	Operating mode*	Collector surface	Power	Temperature difference (inlet/outlet collector)
6094603WS Basic 6094603GH Premium	(Flow rate per m <sup>2</sup> collector surface)			
	25 l / (m <sup>2</sup> x h)	20 m <sup>2</sup>	10 kW	20 K
	40 l / (m <sup>2</sup> x h)	12.5 m <sup>2</sup>	6.25 kW	12 K







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

SolexMini - TWL	Operating mode*	Collector surface	Power	Temperature difference (inlet/outlet collector)
6094604WS Basic 6094604GH Premium	(Flow rate per m <sup>2</sup> collector surface)			
	15 l / (m <sup>2</sup> x h)	20 m <sup>2</sup>	10 kW	33 K
	20 l / (m <sup>2</sup> x h)	20 m <sup>2</sup>	10 kW	25 K

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

\*depends on collector type / system requirements



Item	SolexMini Basic/Premium TWH/TWL	corresp.	Item no.
	<b>SolexMini for high-flow operation</b>  Basic TWH: prim.: <b>Wilo ST 15/6 ECO</b> , sec.: <b>Wilo Z20/5-3</b>		<b>6094603WS</b>
	Premium TWH: prim.: <b>Grundfos PM 15-85</b> , sec.: <b>Grundfos UPM 15-70</b>		<b>6094603GH</b>
	<b>SolexMini for low-flow operation</b>  Basic TWL: prim.: <b>Wilo ST 15/6 ECO</b> , sec.: <b>Wilo Z20/5-3</b>		<b>6094604GS</b>
	Premium TWL: prim.: <b>Grundfos PM 15-85</b> , sec.: <b>Grundfos UPM 15-70</b>		<b>6094604GH</b>
	<b>Equipment</b>		
		<b>Connection set DN 20 for expansion tank</b> for the connection of an expansion tank with a maximum tank diameter of 440 mm and max. 35 kg to the transfer station SolexMini	
Stainless steel corrugated hose, wall bracket with mounting equipment, tank coupling with brass valves			<b>437509</b>
Stainless steel corrugated hose, wall bracket with mounting equipment, cap valve			<b>437510</b>
	<b>Double nipple</b> for the connection of stainless-steel corrugated hoses		
	$\frac{3}{4}$ " external thread, self-sealing with o-ring x $\frac{3}{4}$ " external thread flat-sealing		<b>548310</b>
	$\frac{3}{4}$ " external thread, self-sealing with o-ring x 1" external thread flat-sealing		<b>548340</b>
	<b>Cutting-ring compression fitting</b> for the direct connection of copper pipes		
	$\frac{3}{4}$ " external thread, self-sealing x 12 mm		<b>561012</b>
	$\frac{3}{4}$ " external thread, self-sealing x 15 mm		<b>561215</b>
	$\frac{3}{4}$ " external thread, self-sealing x 18 mm		<b>561218</b>
	$\frac{3}{4}$ " external thread, self-sealing x 22 mm		<b>561222</b>