

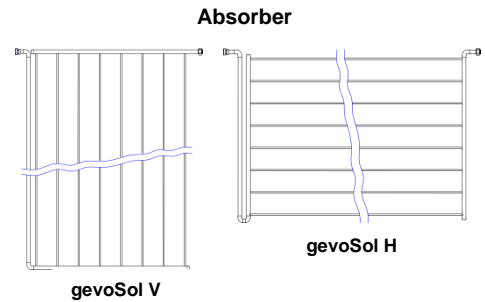
# gevoSol 23 gevoSol 26



gevoSol V



gevoSol H



Register number 011-7S2846 F

Assembly:	
Glass:	Hardened, hail proof ( <b>HW 3</b> ), structured solar glass, 3,2 mm, with little iron content, with low reflection, interchangeable glass cover
Frame:	Strong, attractive double walled powder coated aluminium frame, no visible screws, welded; with special ventilation system
Absorber:	Aluminium-copper full screen plate absorber with highly selective coating, laser welded Absorption 95 % +/- 2 %, Emission 4-5 %
Side Insulation:	20 mm lateral insulation of degassing-free mineral wool
Rear wall insulation:	50 mm rear wall insulation of degassing-free mineral wool
Glass sealing:	Durable EPDM triple seal
Rear wall:	made of aluminium
Connections:	2 connections on top with stable red brass bolt and double sealing surface (DKOL); cone and Viton sealing-ring, no compensator necessary Standard design: return flow (cold, blue cap) left AG; forerun (hot, red cap) right with cap nut

Technical data: gevoSol 23V / gevoSol 23H			
Dimensions vertical (LxWxH):	2100 x 1070 x 105 mm	Filling capacity of the collector:	1,95 lt.
Dimensions horizontal (LxWxH):	1070 x 2100 x 105 mm	Max. inclination:	75°
Gross area:	2,25 m <sup>2</sup>	Min. inclination:	15°
Aperture area:	2,01 m <sup>2</sup>	Max. operating pressure:	10 bar
Absorber area:	2,01 m <sup>2</sup>	Testing pressure:	15 bar
Weight without heat carrier:	42 kg		
Assembling:	vertical, horizontal, on-roof, freestanding		

Technical data: gevoSol 26V / gevoSol 26H			
Dimensions vertical (LxWxH):	2100 x 1230 x 105 mm	Filling capacity of the collector:	2,05 lt.
Dimensions horizontal (LxWxH):	1230 x 2100 x 105 mm	Max. inclination:	75°
Gross area:	2,58 m <sup>2</sup>	Min. inclination:	20°
Aperture area:	2,33 m <sup>2</sup>	Max. operating pressure:	10 bar
Absorber area:	2,33 m <sup>2</sup>	Testing pressure:	15 bar
Weight without heat carrier:	48 kg		
Assembling:	vertical, horizontal, on-roof, freestanding		

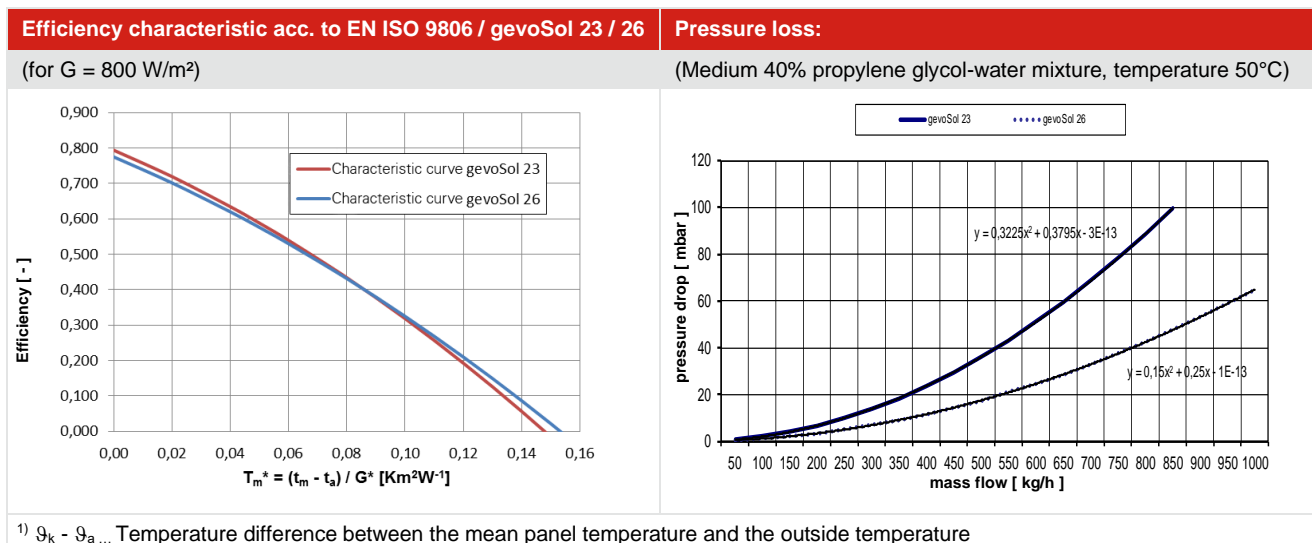
## gevoSol 23

## gevoSol 26

Efficiency values (according to EN ISO 9806:2017)	gevoSol 23	gevoSol 26
Test number:	TÜV 21242669.03	TÜV 21242669.02
Conversion factor $\eta_0$ :	0,794	0,775
Thermal transmittance coefficient simple $a_1$ :	3,476	3,462
Thermal transmittance coefficient square $a_2$ :	0,016	0,013
Angle factor:	0,935	0,876
Efficiency $\eta_{0,04}$ :	0,624	0,604

Power output in Watt (according to EN ISO 9806): gevoSol 23			
	Irradiance W / m <sup>2</sup>		
	400 W/m <sup>2</sup>	700 W/m <sup>2</sup>	1000 W/m <sup>2</sup>
<sup>1)</sup> $\vartheta_k - \vartheta_a = 0$ K	602	1100	1595
<sup>1)</sup> $\vartheta_k - \vartheta_a = 10$ K	529	1026	1522
<sup>1)</sup> $\vartheta_k - \vartheta_a = 30$ K	363	861	1357
<sup>1)</sup> $\vartheta_k - \vartheta_a = 50$ K	172	670	1166

Power output in Watt (according to EN ISO 9806): gevoSol 26			
	Irradiance W / m <sup>2</sup>		
	400 W/m <sup>2</sup>	700 W/m <sup>2</sup>	1000 W/m <sup>2</sup>
<sup>1)</sup> $\vartheta_k - \vartheta_a = 0$ K	648	1235	1829
<sup>1)</sup> $\vartheta_k - \vartheta_a = 10$ K	563	1150	1745
<sup>1)</sup> $\vartheta_k - \vartheta_a = 30$ K	374	961	1556
<sup>1)</sup> $\vartheta_k - \vartheta_a = 50$ K	160	747	1337



## gevoSol 23

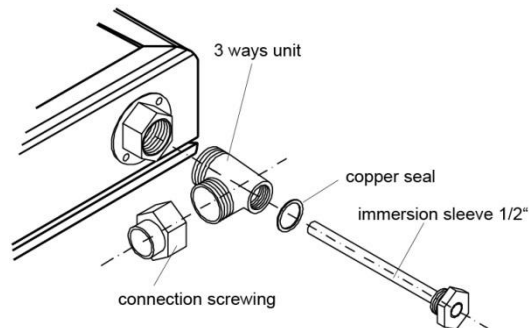
## gevoSol 26

### Connecting kit:

Cross-unit made of brass with mutual rugged fitting with double seal face (DKOL); Viton seal ring, 8 mm immersion tube, also available with pre-insulated flexible tube of stainless steel, dimensions: 22 mm mutual junction for soldering



• *Help:* One kit is necessary for positioning the sensor



### Connecting unit:



• *Help:* For further collector fields without a sensor

### Hydraulic connection:

Install the sensor on the right collector (using the connecting kit).

**Attention!** If the sun is shining during the installation of the collectors the connection units can get very hot!

**Attention!** Make measures against accidents before working on the roof! Note the rules for accident prevention!

**Attention!** According to the hydraulic connection of the absorber the collector field has to be floated from the left to the right side! Otherwise the collector can't be ventilated completely. The consequence is a loss of efficiency!

Fig. 1

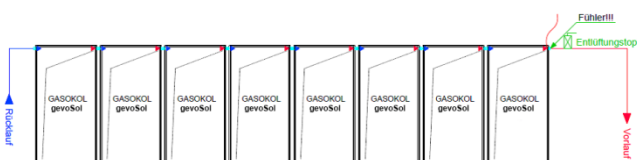
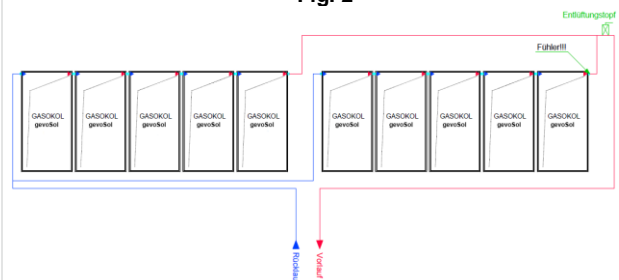


Fig. 2

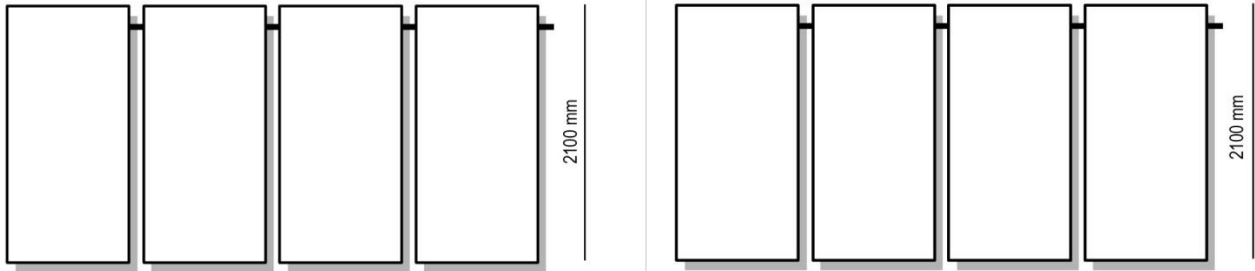


• **Note:** You can connect up to 10 units of collector gevoSol 23 (vertical as well as horizontal) and up to 10 units of collector gevoSol 26 (vertical as well as horizontal) in a row. Furthermore the collectors should be separated and connected according to Tichelmann principle (see Fig. 1 and Fig. 2, example with vertical format).

## gevoSol 23

## gevoSol 26

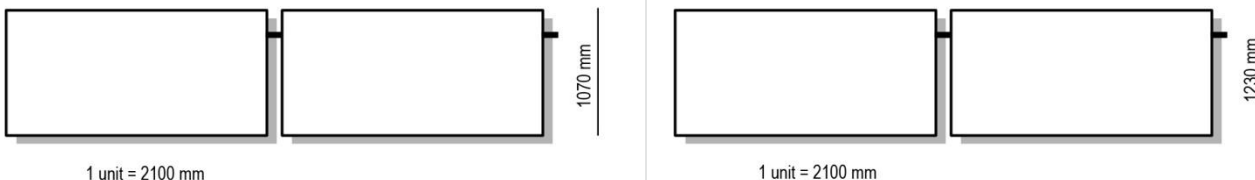
### Measurements type vertical:



Number of collectors	Width [ mm ]	Number of collectors	Width [ mm ]
3 units	3330	3 units	3810
4 units	4460	4 units	5100
5 units	5590	5 units	6390
6 units	6720	6 units	7680
7 units	7850	7 units	8970
8 units	8980	8 units	10260
9 units	10110	9 units	11550
10 units	11240	10 units	12840

You can connect up to 10 units of collector gevoSol 23 (vertical as well as horizontal) and up to 10 units of collector gevoSol 26 (vertical as well as horizontal) in a row. Furthermore the collectors should be separated and connected according to Tichelmann principle.

### Measurements type horizontal:



Number of collectors	Width [ mm ]	Number of collectors	Width [ mm ]
3 units	6420	3 units	6420
4 units	8580	4 units	8580
5 units	10740	5 units	10740
6 units	12900	6 units	12900
7 units	15060	7 units	15060
8 units	17220	8 units	17220
9 units	19380	9 units	19380
10 units	21540	10 units	21540