

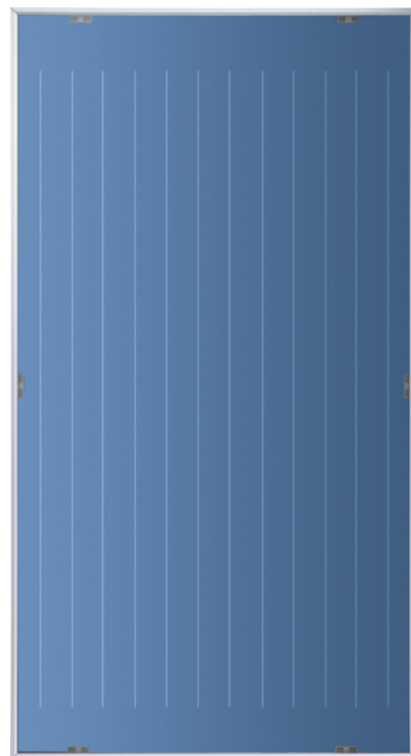
SOL 27 premium flat-plate collector (rooftop)

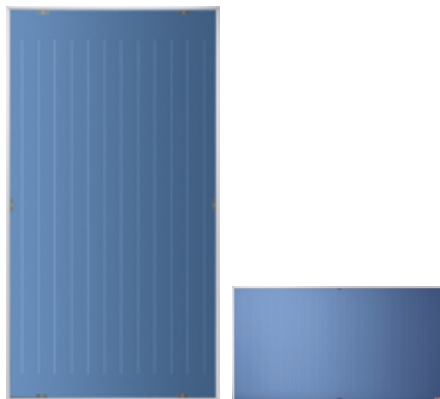
Energy saving made fun.

The collector is available for on-end and across installations and is therefore specially designed for the relevant application. The laser-welded aluminium full area absorber with copper harp is provided with highly selective vacuum coating (Miro-Therm). The hydraulic connection between collectors is made by means of a plug-in connector system. An anti-reflection safety glass cover protects the absorber and guarantees a high level of transmission. The collector is insulated on the sides and back panel with low outgassing mineral wool (black lined). Its main characteristic is low thermal conductivity. The hydraulic connection between collectors is made by means of a plug-in connection system. Operating the collectors with a prepared water-glycol mixture (H-30 L) provides the essential frost protection. The collector casing is made from seawater-resistant aluminium.

The most important features

- High efficiency
- Easy plug-in connection
- Anti-reflective glass
- Various installation options
- Attractive design
- Highly selectively coated absorber for highest efficiency
- Laser-welded joint between absorber and harp for low loss heat transfer
- Highly efficient thermal insulation prevents heat losses





Type	SOL 27 premium S	SOL 27 premium W
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Part no.	230016	230017

Specification	SOL 27 premium S	SOL 27 premium W
Version	Rooftop	Rooftop
Type	Vertical	Horizontal
Angle of inclination	20°...85°	20°...85°
Collector connection	22 mm plug-in connection	22 mm plug-in connection
Total area	2,54 m ²	2,54 m ²
Aperture area	2,39 m ²	2,39 m ²
Absorber area	2,38 m ²	2,38 m ²
Max. idle temperature	>210 °C	>210 °C
Liquid content	1,50 l	1,83 l
Max. operating pressure	0,60 MPa	0,60 MPa
Nominal volume flow	50...300 l/h	50...300 l/h
Pressure drop at 300 l/h	0,00 MPa	0,00 MPa
Height	2171 mm	1171 mm
Width	1171 mm	2171 mm
Depth	96 mm	96 mm
Weight	40 kg	40,50 kg
Efficiency	82,30 %	82,50 %

Preliminary specification, status 8473