

Rooftop flat-plate collector SOL 27 basic

Perfect framework conditions.

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 connections are arranged at the sides (l.h. side G 3/4 male, r.h. side G 3/4). The collector is insulated on the sides and back panel with low outgassing mineral wool (black lined). Its main characteristic is low thermal conductivity. Operating the collectors with a premixed water:glycol mixture H-30 L provides the essential frost protection. The collector casing is made from seawater-resistant aluminium.

The most important features

Hydraulic connection between the collectors factory-fitted

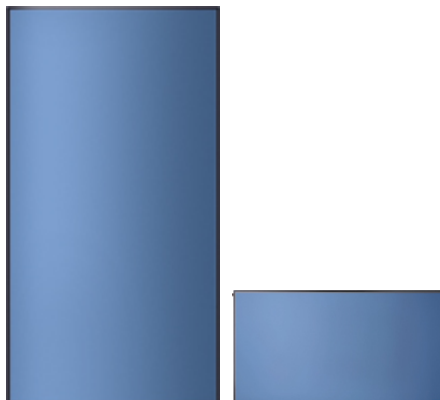
Up to 5 collectors can be hydraulically connected in series

Low weight

Attractive design

Low height





Type	SOL 27 basic	SOL 27 basic W
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Part no.	228927	230912

Specification	SOL 27 basic	SOL 27 basic W
Version	Rooftop	Rooftop
Type	Vertical	Horizontal
Angle of inclination	20°...85°	20°...85°
Collector connection	G 3/4	G 3/4
Total area	2,53 m ²	2,53 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	213 °C	>210 °C
Max. operating pressure	0,60 MPa	0,60 MPa
Liquid content	1,30 l	1,70 l
Nominal volume flow	50...300 l/h	50...300 l/h
Pressure drop at 300 l/h	0,00 MPa	0,00 MPa
Height	2168 mm	1168 mm
Width	1168 mm	2168 mm
Depth	93 mm	93 mm
Weight	38,50 kg	39,20 kg
Efficiency	79 %	