

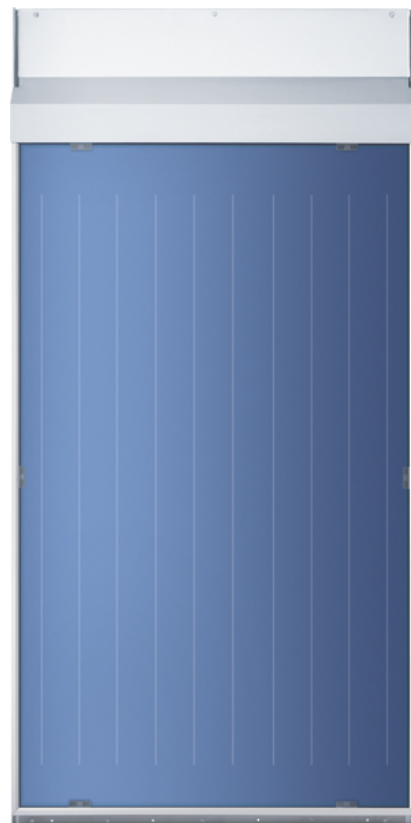
SOL 23 premium flat-plate collector (roof integration)

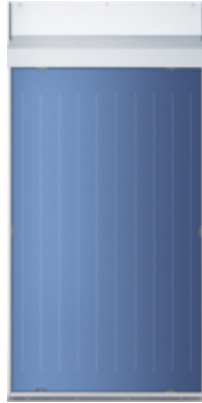
Tailor-made for any roof.

The collector is specifically designed for on-end roof integration. The Sol 23 premium is set into a roof in place of roof tiles (e.g. double Roman tile). The flashing frames fitted to the collector shorten assembly time and ensure the roof is sealed. The laser-welded aluminium full area absorber is provided with highly selective vacuum coating (Miro-Therm). 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. A space-saving and close installation of several collectors side by side is made possible by the collector connections at the top. An anti-reflection safety glass cover protects the absorber and guarantees a high level of transmission. 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
- Flashing frame factory-fitted
- Easy plug-in connection
- Anti-reflective glass
- Various installation options
- Attractive design
- Visually attractive roof integration
- No hydraulic connections visible
- 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	
Type	SOL 23 premium
Part no.	230020
Specification	
Version	Roof integration
Type	Vertical
Angle of inclination	30°...80°
Collector connection	22 mm plug-in connection
Total area	2,63 m ²
Aperture area	2,04 m ²
Absorber area	2,03 m ²
Max. idle temperature	218 °C
Liquid content	1,20 l
Max. operating pressure	0,60 MPa
Nominal volume flow	50...300 l/h
Pressure drop at 300 l/h	0,00 MPa
Height	2340 mm
Width	1155 mm
Depth	102 mm
Weight	54 kg
Efficiency	81 %

Preliminary specification, status 8473