

Solar Collector
SG25V / SG25H



SG25V / SG25H

For in-roof and roof-mounted mounting

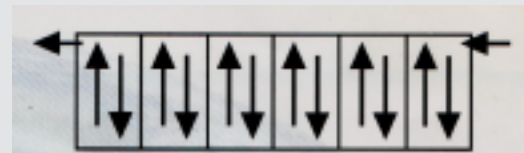
Tecnical Data

	SG25V	SG25H
Type	Flat collector	
Gross surface area	2,55 m ²	
Absorber surface area	2,26 m ²	
Opening surface area	2,34 m ²	
H x W x D	2179 x 1169 x 107 mm	1169 x 2179 x 107 mm
Empty weight	41 kg	41 kg
Content	1,64 l	
Absorber coating	Highly-selective	
Absorption quotient	96 %	
Emission	4 %	
Max. operating pressure	10 bar	
Type of heating medium	Propylene glycol/water mixture	
Absorber material	Aluminium 0.4 mm	
Connections	2 X 3/4"	
Collecting main	Cu 22 x 0.8 with screw pipe joint 1"	
Register pipe	8 mm	
Cover	3.2 mm toughened solar safety glass	
Transmission	91 %	
Glass seal	UV-resistant EPDM rubber seal	
Collector assembly	Aluminium basin 0.8 mm	
Mineral wool heat insulation	60 mm	
Leaning angle min./max.	20° / 80°	
Wind and snow tolerance	120 km/h / Tile roof: 460 kg/ Universal: 345 kg	

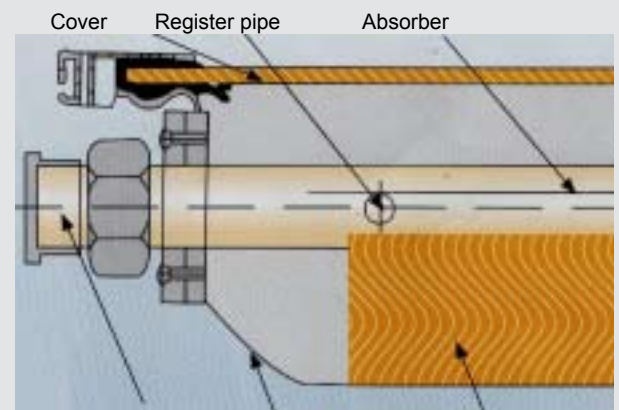
The collectors in this series consist of a deep-drawn aluminium basin, a laser-welded aluminium full surface absorber, a 60 mm thick mineral wool plate and a piece of highly translucent, hail-proof solar glass. The collectors are available in both vertical and horizontal formats.

Absorber:

These aluminium full surface absorbers, with highly-selective coating, copper register and collecting main, are hard soldered and attached to the absorber plate using laser welding technology.



Max. 10 collector cores in a row.



Collecting pipe Collector assembly Insulation

Mounting- Systems



Mounting at 45° angle, flexible positioning possible. Attached through the roof cladding using screws.



Universal and Tile roof 20°
Bench screw and roof rack connection.



Universal and Tile roof 0°
Mounting rails are attached through the roof cladding using screws or roof anchors.



Roofintegration

More options on request.



2005/05

E & OE, subject to change without notice.