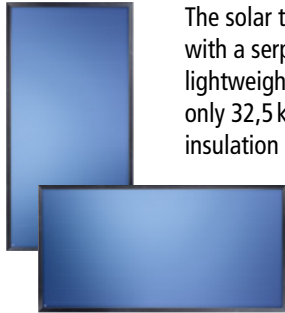
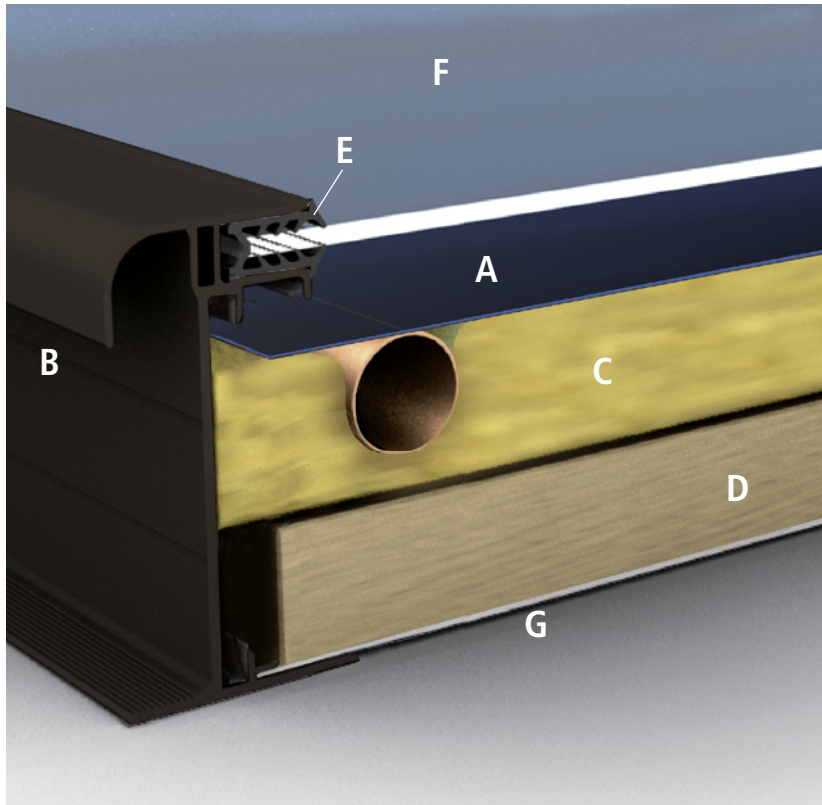


Solarthermal Collector SCM 215



The solar thermal collector SCM 215 is a high class collector with a serpentine laser welded selective absorber and innovative lightweight geometry. The collector has a empty weight of only 32,5 kg at high thermal efficiencies due to an exceptional insulation solution. The combination of high temperature resistant PIR-Plate and rock wool insulation allows a flat collector height of only 81 mm. The optical efficiency η_0 has a value of 80,6 %.



Special performance features:

- High annual yield
- Blue high selective vacuum coating absorber
- Heat insulation system is comparable to 57 mm thick rock wool insulation
- Self discharging on stagnation circumstances with no air inclusions like register absorbers
- Very good price performance relationship and short energy return time
- Up to 12 collectors can be tied up in a row with a CLAGE SPB 20/6 Multistage Pump Group

Structural overview:

- A Blue selective absorber
- B Collector frame
- C Upper insulation from rock wool
- D Lower insulation from high temperature resistant PIR-Sandwich plate
- E Silicon glass seal
- F Glass panel
- G Robust aluminium backside

Wide range of applications:

- Suitable for hot water, heating support and process energy systems
- Suitable for high-flow and low-flow operation

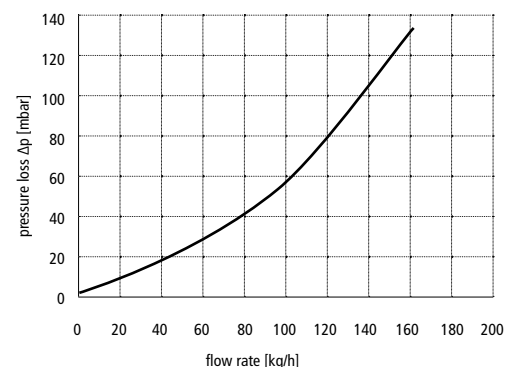
Installation friendly system:

- Easy to transport with carry-friendly circulating handle bar and easy weight design
- Easy to install on the predesigned mounting system

Guarantees and certification:

- Complies with European Standards
- Solar Keymark certified

Pressure loss curve:



Type	SCM 215	SCM 215 Q
Article-No.	50110	50120
Frame	Anodised black	
Dimensions	2088 × 1030 × 81 mm	
Total area	2.15 m ²	
Aperture area	1.91 m ²	
Glass thickness	3.2 mm	
Glass structure	Low iron tempered solar safety glass	
Collection tube	22 mm	
Flow tube	10 mm	
Empty weight	32.5 kg	33 kg
Absorber type	Blue high selective	
Optical efficiency	80.6 %	82.4 %
Upper insulation	20 mm rock wool	
Lower insulation	20 mm PIR-ALU sandwich insulation	
Fluid content	1.65 litres	2.3 litres
Heat transfer fluid	Propylene glycol	Propylene glycol
Max. working pressure	10 bar	
Stagnation temperature	191.2 °C *	

* at irradiation of 1000 W/m² and 30 °C outdoor temperature