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**If you are interested in our products, please contact us!****Flat Plate Solar Collector (SC-F)**

Flat plate solar collector is a device for absorbing solar radiation and transferring heat to the medium, which is a kind of special heat exchanger, the medium in the collector heat exchanges with the sun. Flat plate solar collector is composed of absorbing plate core, shell, transparent cover plate, insulation materials and other related parts. Then heating circulation pipe and water tank, become a absorbing solar radiation equipment to heat the cold water.

**Characteristic:**

- 1, high selective blue/black chrome coating applied for the absorber;
- 2, laser welding between full aluminum absorber and copper tubes ensure good conductivity of heat and firm structure;
- 3,tempered textured glass with high transmittance up to 92%;

4,super large effective heat absorption area offers high heating efficiency and more energy saving;

5,mechanical load, freeze resistance, rain penetration, exposure, hail impact, external and internal shock tested etc.

6,25 years life span with max 0.8Mpa pressure.

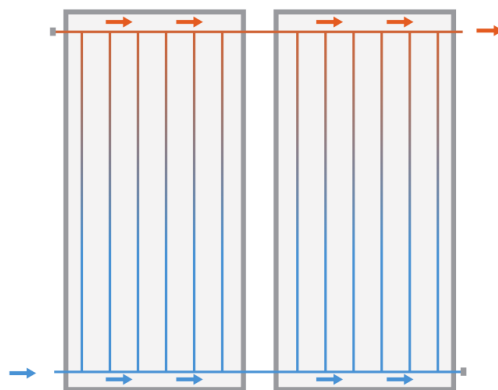


SC-F

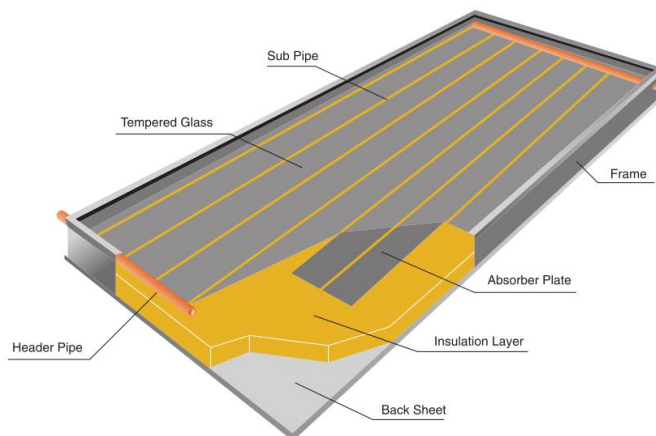
## Flat Plate Solar Collector

### **Working Principle:**

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**Structure Drawing :**



**Technical Information:**

Model	SC-F-C/A	SC-F-C/A1	SC-F-C/BC	SC-F-C/BC1	SC-F-C/VC	SC-F-C/VC1
Dimension:L*W*T	2000 X 1000 X 80mm					
Material Of Cover	Tempered Glass					
Thickness Of Cover	4mm					
Area (m <sup>2</sup> )	2.00m <sup>2</sup>					
Weight	36kg	37kg	37kg	38kg	38kg	38kg
Dimension Of End Pipe	22 x0.6mm	22 x0.6mm	22 x0.6mm	22 x0.6mm	22 x0.6mm	22 x0.6mm
Coating Material	Ultrasonic Welding	Aluminum Composite	Copper Belt Ultrasonic Welding	Aluminum Belt Laser Welding	Aluminum Belt Laser Welding	Aluminum Belt Laser Welding
Material Of End Pipe	Copper Tp2	Coppertp2	Coppertp2	Coppertp2	Coppertp2	Coppertp2
Size Of Fin	125mm*0.3mm	122mm*0.55mm	125mm*0.15mm	950mm*0.3mm	950mm*0.3mm	950mm*0.3mm
Coating Of Surface	Anodic Oxidation	Anodic Oxidation	Black Chrome	Black Chrome	Chinese Blue Film	Germany Blue Film
Max Working Pressure	0.6mpa					
Thickness Of Insulation Layer	Back: 30 mm Side:20 mm					
Max Temp Of Operation	≤200					
Material Of Insulation Layer	Glass Wool					
Material Of Frame	6063 Aluminum Alloy					
Material Of Back Cover	Embossed Aluminum					
Seal Material	Epdm					

**Other Pictures:**

