

Solar Flat Plate Collector

FKB-1 & FKC-1

- ▶ Equipped using a time tested copper harp absorber design
- ▶ Robust fiberglass frame for stable and durable construction
- ▶ Light-weight and easy to install
- ▶ Optimal performance using selective and semi-selective absorber coatings
- ▶ Excellent value and performance



**Harnessing
the Power
of the Sun**



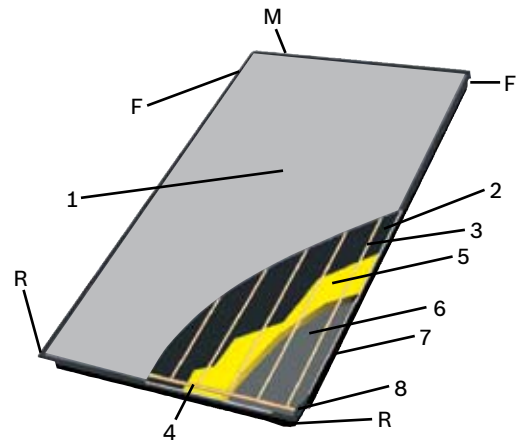
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Invented for life

Climate friendly solar water heating



Solar Flat Plate Collector FKC-1 & FKB-1



- F Solar Supply
- R Solar Return
- M Well for Temperature Sensor
- 1. 3.2mm Solar Safety Glass
- 2. Absorber Plate
- 3. Copper Riser Tubes
- 4. Mineral Wool Insulation
- 5. Aluminum-Zinc Coated Steel Back Sheet
- 6. Fiberglass Frame
- 7. Extruded Plastic End Cap
- 8. Edge Assembly

Model	FKC-1 Vertical	FKC-1 Horizontal	FKB-1 Vertical
Height (in)	81½	45½	81½
Width (in)	45½	81½	45½
Depth (in)	3½		3½
Gross collector area (ft.²)	25.96		25.96
Net aperture area (m²)	24.29		24.29
Solar glass transmission	91.5% ± 0.5%		86% ± 2%
Stagnation temperature (°F)	370		370
Fluid content (gal.)	0.23	0.33	0.23
Dry weight (lbs.)	90	93	90
Coating	Highly selective black chrome		Selective black Lacquer
Absorptivity	95% ± 2%		92% ± 2%
Emissivity	12% ± 2%		30% ± 2%
Max. operation pressure (psi)	87		87
Max. flow rate (gpm)	1.07		1.07
Absorber material	Copper with ultrasonic welding		Copper with ultrasonic welding
Absorber type	Harp		Harp
Collector construction	Open vented*		Open vented*

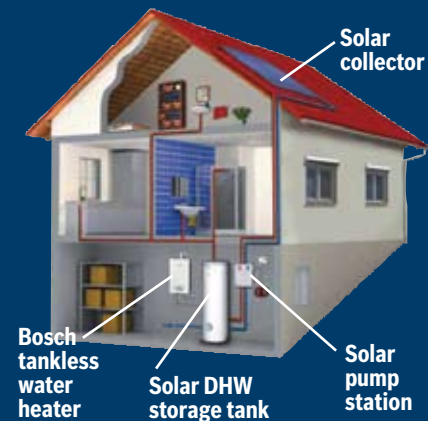


Proud sponsor of Darmstadt Technical University, the 2007 US Department of Energy Solar Decathlon's 1st place team.



OG-100
Certified Solar Collector

Heating water with solar energy.
This is how simple it can be.



The sunlight heats up a fluid inside the collector. This fluid transfers the heat to the DHW tank. Right away you profit from solar energy, either when you shower, do laundry, wash dishes, and all other hot water needs.

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