

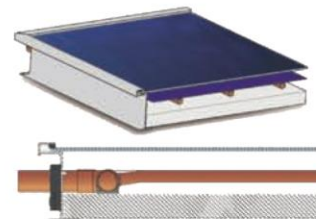
## Thermosifon System FHW –TSS 150



The direct streamed 150 l Thermosifon System is an easy plug and play and high quality solution which heats up water in a rapid and efficient manner according to your regional needs. The system consists of a high-performance collector with a full-surface high selective coated absorber, a compact enameled 150 l tank, a galvanized steel mounting system and all other necessary connections. Due to a special absorber design the system does not need external piping and has less thermal losses. This design guarantees minimized installation time and has an aesthetic and appealing look.

Technical data collector	
Collector type	Al frame collector
Overall area [m <sup>2</sup> ]	2.03
Absorber area [m <sup>2</sup> ]	1.81
Aperture area [m <sup>2</sup> ]	1.88
L x W x H [mm]	1945 x 1046 x 81
Weight [kg]	27
Absorber capacity [l]	2.09
Housing	Al-frame
Surface	Al, natural
Back plate	Al-sheet
Absorber sheet [Å]	high selective vacuum coating (PVD)
Absorption* [%]	94
Emission* [%]	5
Ø manifold [mm]	22 (3/4")
Ø raisers [mm]	12
Connections	blank (compression joint)
Glass	3.2 mm tempered low iron glass
Transmittance of glass [%]	89
Insulation	25 mm PUR plate
Max. stagnation temperature	approx. 200 °C under test conditions
Max. operating pressure	10 bar
Proper heat transfer medium	water
Standard packaging	single packed for max. load
Technical data tank	
Thermotank	
L x W [mm]	1088 X 560
Weight [kg]	50
Thermal conductivity [W/mK]	50
Hydrostatic resistance under pressure [kg/cm <sup>2</sup> ]	5.5
Outer covering	Galvanized steel with electrostatic painting
Inner covering against corrosion	Enameled
Storage Capacity [l]	150
Insulation in the thermotank	
Insulation Material	Injected polyurethane
Thickness [mm]	50
Density [kg/m <sup>3</sup> ]	7.2
Thermal conductivity [BTU*in/ft <sup>2</sup> h*°F]	0.30
Technical data mounting system	
Galvanized steel flat roof mounting set with inclinations of 20° or 40° degrees	
Optional	
Anti-freeze valve (AFV)	
Electrical Heat Rod 2 kW (EHR)	

### Collector cross section



### Thermosifon System product benefits:

- Modular system setup for easy transportation and installation.
- Enameled tank with 150 l with optimised heat insulation.
- Tempered low iron safety glass.
- Use of emission-free, recyclable materials resulting in the long service life of an environmentally friendly product.
- Maximum heat transfer between the full-surface absorber and the copper grid as a result of latest state of the art laser welding technology.
- Optimal value for money due to intelligent product design.
- Statically tested mounting system for installation on flat roofs.
- 5 year general warranty

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