



TSD

Thermosiphon System

150 200 300

PRODUCT BENEFITS

- High efficient TS system with natural circulation (no electricity required)
- Solar Keymark tested
- Collector with integrated return pipe (TSD 150 | 200)
- High efficient heat transfer at the absorber using state of the art laser welding technology
- Tempered solar safety glass
- Enameled double jacket tank with 50mm thick insulation
- Modular system for easy transport and installation
- Mounting sets available flat roof installation 30° and 40° as well as for parallel installations on pitched roofs

TSD Thermosiphon System

150 | 200 | 300

INSTALLATION OPTIONS

freestanding installation **30°**



freestanding installation **40°**



pitched roof, **parallel**



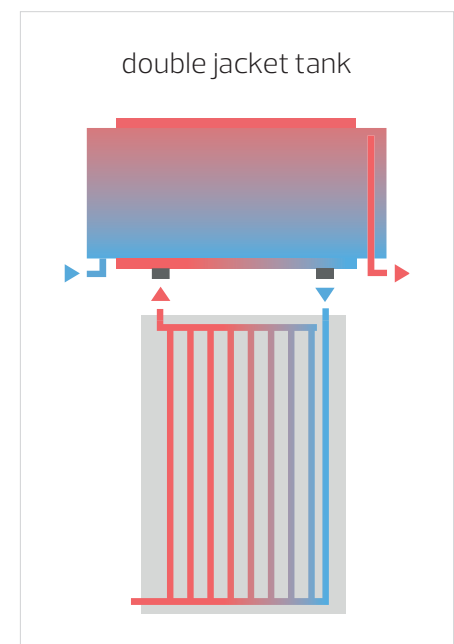
TECHNICAL DATA

Collector	TSD 150	TSD 200	TSD 300
Overall area [m²]	2.03		
L x W x H [mm]	1.733 x 1.173 x 73		
Weight collector empty [kg]	29		
Number of collectors	1	1	2
Housing	Al-frame		
Absorber sheet	Al, high selective vacuum coating		
Absorption / Emission* [%]	95 / 5		
Connections	blank Ø18 mm		
Glass	3.2 mm tempered solar safety glass		
Transmittance of glass [%]	90.2		
Insulation	30 mm mineral wool plate		
Tank	TSD 150	TSD 200	TSD 300
Weight tank [kg]	68	83	106
Capacity tank [l]	152	198	282
Insulation tank	PU foam 50 mm		
compressive strength - primary	max. 3 bar		
compressive strength - secondary	max. 6 bar		
Connections tank	¾" female thread - primary circuit		
Heat transfer medium	Polypropylene glycol / water mixture		
Material tank	steel, powder-coated		
Anticorrosive coating	2 x magnesium anode		
System	TSD 150	TSD 200	TSD 300
Weight of overall system (empty) [kg]	112	125	165
Weight of overall system (filled) [kg]	264	323	447
Capacity solar circuit [l]	7.1	9.8	14.7
Heating rod (optional)	1,5 kW / 220V*	2,5 kW / 220V*	4 kW / 220V*
Mounting material	steel galvanized		

* 110V on request

DOUBLE JACKET TANK

Engineered as a 2 circuit system, the GREENoneTEC Thermosiphon System offers a high quality enameled double jacket tank and is available in 3 sizes. Our thermosiphon collector has been optimised by incorporating the return pipe inside the collector, reducing installation time and make it optical more appealing. The tank can also be fitted with an optional electric heat rod which ensures that hot water is available when needed.



GREENoneTEC **1**

SOLAR COLLECTORS

- The world's leading solar collector manufacturer
- 28.000 m² production facilities in Austria

- Over 250 mostly patented R&D projects
- Solar entrepreneur with 25 years experience in production
- 150.000 m² storage facilities
- Annual production capacity of 1,6 mio. m²
- Extensive product warranties