

TECHWIN

PRESSURIZED SOLAR WATER HEATER

Data Sheet



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PRESSURIZED SOLAR WATER HEATER

When using pressurised system, the tap water piping can be connected directly to the system, and water is feed automatically by the water pressure.

The vacuum tubes absorb the sun energy and transfer the heat to the tank through the copper heat pipe inside the tube, then water inside the tank is gradually heated. This system has now been approved to be one of the most effective system, so this is more and more popularly used in the world.

Technical Specifications

1.Storage Tank

The tank is made of heavy duty high pressure,galvanized steel cylinder which ensures that the tank does not rust. This also eliminates chances of your water getting contaminated. It has a thick insulation to keep the heated water hot throughout the night. The tank has a durable casing giving it a long life before any replacement.

2.Booster electric element

It also has a 3kW electric booster heater element for supplementing the water heating during periods of low sunshine.

3.Solar heat pipes

The evacuated heat pipes feature higher efficiencies due the absorptivity of over 93% and emissivity of less than 3% that ensure effective heating of water. It has an advanced insulation to provide maximum absorption efficiency, and has a tempered security glass-hard to break in the normal site setup.

TECHNICAL DATA OF SUNTECH PRESSURIZED SOLAR WATER HEATER		
Water tank	Inner tank	SUS304-1.2mm
	Outer tank	SUS304-2B (0.4mm) or Galvanized Steel (0.4mm)
	Insulation	Polyurethane foam (55mm)
Tubes	Heat pipe material	TU1/TU2 Copper
	Size of glass vacuum tube	∅ 58/1800mm
	Material of glass vacuum tube	High Boron-Silicon
	Number of tubes	20/30
Frame	Coating of glass vacuum tube	AL-SUS-CU
	Frame material	SUS201(1.2mm)
	Maximum operation pressure	6

This system also comes with:

1. Magnesium anodes; which are used for anti-corrosion.
2. Electric element; which is used when there's no enough sun.
3. P/T safety valve; which releases water pressure if it exceeds 6 bar.
4. SR609 Controller; which regulates the water temperature.
5. Stand part



System Controller



Heating Element



Ball Valve



Wilo Pump



Constant Temperature Valve



Connector Bend



European Standard Plug



Flowmeter



Magnesium Rod



Temperature Sensor



copper Connector



pressure relief valve