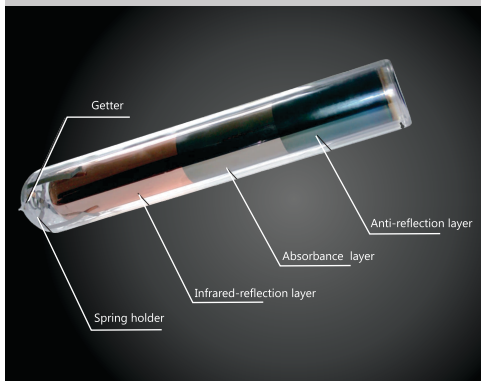




COMMERCIAL SOLAR WATER HEATER

Solar Water Heaters - Evacuated Tube Collector

Evacuated tubes are the absorber of the solar water heater. They absorb solar energy converting it into heat for use in water heating. Evacuated tubes have already been used for years in Germany, Canada, China and UK. There are several types of evacuated tubes in use in the solar industry. At Sunlit, we use the "Twin-Glass Tube" technology. This type of tube is chosen for its reliability and better performance.



Area of Implementation

Hotels & Lodges
Institutions
Hospitals, Hostel

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Evacuated Tube Basic Specification

Length (nominal)	1800 mm
Outer Tube Diameter	58 mm
Inner Tube Diameter	47 mm
Glass Thickness	1.6 mm
Material	Borosilicate Glass 3.3
Absorptive Coating	Graded CU-N/CU
Absorptance	>92% (AM1.5)
Emittance	<8% (80°C)
Vacuum	P<5x1-3 Pa
Stagnation Temperature	>200°C
Heat Loss Maximum	<0.8/(m ² °C)
Strength	0.8MPa

Insulated Storage Tank

Inner Tank Material	Stainless Steel / Copper
Outer Tank material	Aluminum Stucco
Tank Capacity	Customized to Customer Requirement
Inlet/Outlet Pipe	Stainless Steel / Brass
Tank Welding	Tig Welding / Brazing
Filler Material	Stainless Steel / Copper
Thermal Insulation	Rock Wool / PUF
Heat Retention	72 hours