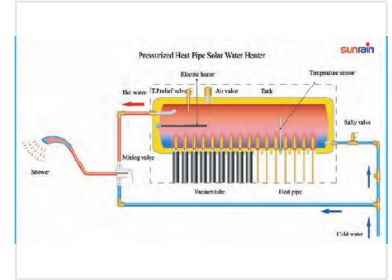


Pressurized Heat Pipe Solar Water Heater

This solar water heater uses heat pipe technology for fast heating. Its pressurized system ensures comfortable showering experiences.



ADDITIONAL IMAGES



Overview

High-Efficiency Pressurized Solar Water Heating

This pressurized heat pipe solar water heater delivers reliable, rapid hot water through advanced heat pipe core technology. Designed for residential and commercial durability, the system features a robust stainless steel tank and high-performance vacuum tubes that ensure consistent water pressure and superior solar energy absorption. Its modular design provides a resilient solution where individual tube maintenance does not interrupt overall system performance.

Technical Specifications

1. Inner tank : stainless steel SUS316L-1.2mm
2. Vacuum tube : QB-AL-N/AL-47-1500/58-1800
3. Outer tank : painted steel-0.4mm thickness/stainless steel-SUS304-0.4mm
4. Reflector : aluminum
5. Diameter of the tank(mm) : 365/475
6. Thickness,insulated(mm) : 50
7. Vent connection(inch) : 1/2
8. Electric heater connection(inch) : 1
9. Water connections(inch) : 1/2
10. Install angle(degree) : 30/45
11. Test pressure(Pa) : 0.9MPa
12. Operating fluid pressure(Pa) : 0.4MPa

Detailed breakdown of tank components and connection specifications.

Construction Materials

- Inner Tank: SUS316L Stainless Steel (1.2mm)
- Outer Tank: Painted Steel (0.4mm) or SUS304 Stainless Steel (0.4mm)
- Reflector: Aluminum

System Performance Metrics

50 mm

Insulation Thickness

0.4 MPa

Operating Pressure

0.9 MPa

Test Pressure

Model Variants

Type	Area(M ²)	Vacuum tube			Volume(lit ers)	Gross wet (Kg)	20GP/40GP/40HC loading Qty(sets)
		Length (mm)	Φ (mm)	Qty (pcs)			
TZ58/1800-15C	2.082	1800	58	15	150	65	45/90/100
TZ58/1800-20C	2.788	1800	58	20	200	78	40/80/88
TZ58/1800-25C	3.558	1800	58	25	250	96	32/64/72
TZ58/1800-30C	4.142	1800	58	30	300	120	26/52/60

Overview of available system capacities and performance metrics.

Model Specifications

Model	Area (m ²)	Capacity (L)	Tubes (pcs)
TZ58/1800-15C	2.082	150	15
TZ58/1800-20C	2.788	200	20
TZ58/1800-25C	3.558	250	25
TZ58/1800-30C	4.142	300	30

Installation

Installation Parameters

- Adjustable Installation Angle: 30° or 45°
- Vent Connection: 1/2 inch
- Water Connections: 1/2 inch
- Electric Heater Connection: 1 inch