

WARRANTY PERIOD: 5YEARS

WARRANTY CARD
DEALER'S COPY:
Name of Custome:
Address:
Telephone No:
SWH Type:
Invoice number:
Date of Invoice:
Dealer's Name:
Dealer's Telephone:
Dealer's Address:
Service Note:
Customer's Signature:

WARRANTY CARD
CUSTOMER'S COPY:
Name of dealer's:
Address:
Dealer's telephone No:
SWH Type:
Invoice no:
Invoice date:
Service Note:
Dealer's seal and Signature:

# SOLAR WATER HEATER

Operation

Instruction

Read instruction carefully before use



Compact Pressurized Flat Panel Solar Water Heater

## Installation Instruction

The water heater should be installed at a place where it can fully absorb the sunlight. As a general rule if you are in the Northern Hemisphere then the collector should face South and if you are in the Southern Hemisphere then the collector should face North.

### 1. Main installation steps of solar water heater:

Install the bracket first, then the water tank, and finally the flat panel.

Pay attention to installing the support firmly.

When installing the water tank, unscrew the nut at the bottom of the water tank first. When the water tank is properly placed on the support, screw on the nut to fix it.

When installing a panel, pay attention to the direction of the panel.

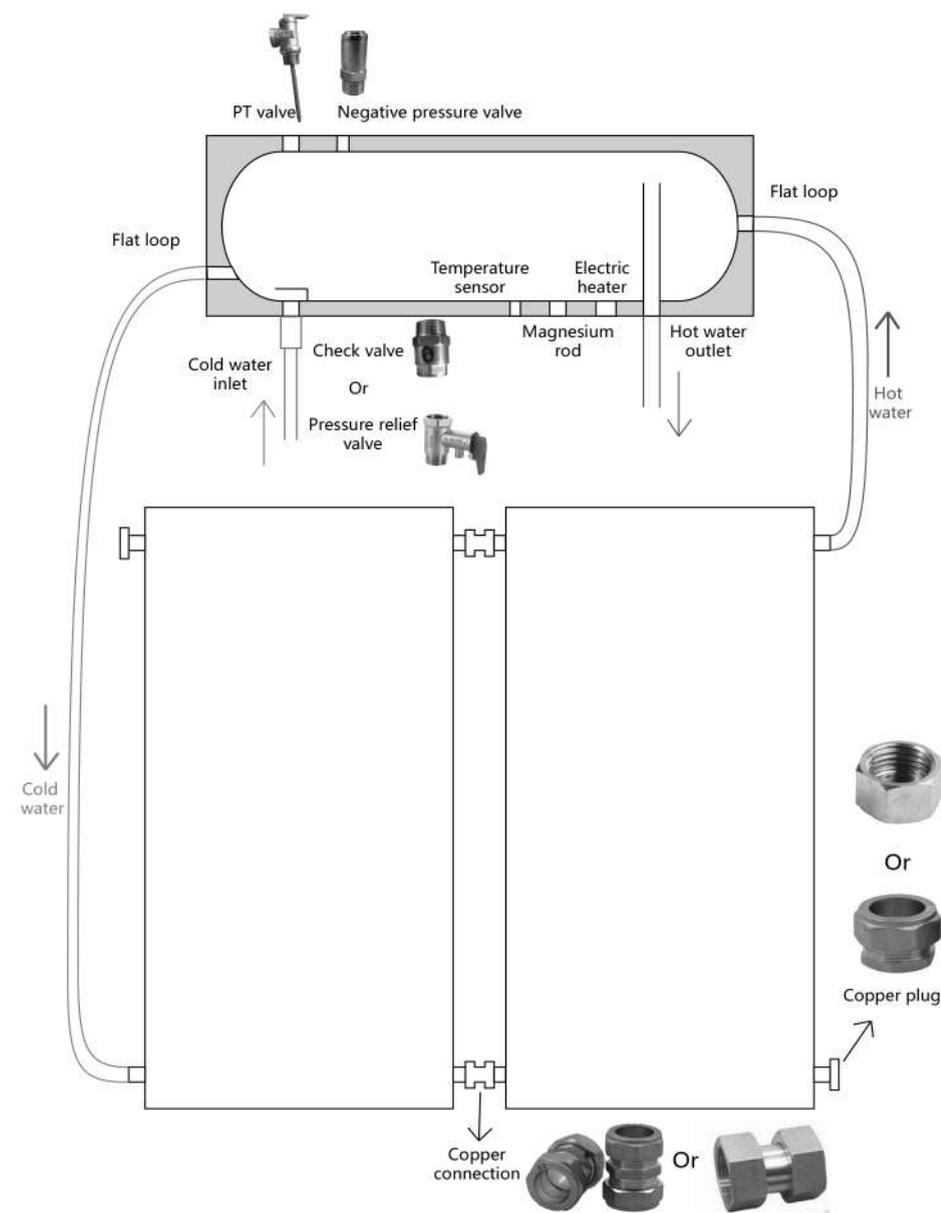
### 2. After the main body of the water tank is installed, pipes and valves should be installed:

To ensure the normal operation of the water heater, install PT valves, negative pressure valves, check valves and other valves correctly.

The circulation pipe between the flat panel and the tank must use high temperature resistant materials, such as metal pipes (stainless steel bellows, stainless steel pipes, copper pipes, etc.).

### 3. To ensure that the solar water heater operates in cold weather, please keep the pipe insulated.

### 4. When installing, ensure that the solar water heater and pipes are firmly fixed with the building to prevent extreme weather (typhoons, etc.).



## User Guide

1. The tank is always full of water, no need to manually add cold water.
2. In extremely cold areas, please use electric heating or other energy sources as backup energy.
3. In extremely cold areas, it is best to use coil in the tank, which is filled with antifreeze and connected to the Flat panel.
4. Avoid the water tank without water for a long time.
5. When there is a typhoon, make sure the tank is filled with water.

## Troubleshooting

Problem	Cause	Solution
water can't come	The up and down pipes might freeze in winter	The frost may disappear in about 3 hours in the sun; pipes can do heat preservation processing
	The water in the tank is emptied	check the water source (tap water)
	The mouthpiece falls off or is blocked	Connect or dredge the pipes.
	The up and down water valves and up and down valves leak; The flow of water reverses because the tap water pipe have no water for a long period of time	Change the valves and get tap water
	The sprinkler or hot-water nozzle malfunctions	Change the sprinkler or hot-water nozzle
The water temperature is not high enough	Not enough sunshine or low quantity of radiant energy in winter.	One sunnier day can solve the problem.
	No heat preservation measure for the pipes in winter and serious thermal diffusion.	Take heat preservation measures for the pipes.
	The copper pipe in the panel is blocked, resulting in reduced water flow and reduced hot water flow.	Dredge the copper pipe in the panel.
The sprinkler let out little water	The hydraulic pressure of the pipe is too low, yet the pressure disparity between the tank and sprinkler is small.	The pressure increases when the cold and hot water mix together.
	The sprinkler has small yet few apertures, or the apertures are blocked by impurities.	Change a sprinkler with larger water flow or clear the sprinkler.

**Thanks for your patience. For further questions and comments, please contact us or our partners at your local place.**