

Installation Manual

Introduction

Thanks for your purchasing our compact pressure solar water heater. This unit is designed to provide years of reliable service, providing clean solar thermal energy. In order to ensure reliable and high efficiency operation, it must be installed in a correctly configured system.

Please employ the service from certified solar installers to ensure all installation meet all related regulations.

The system has been designed with ease of installation as one of the key design features. This manual will guide you how to install it. If any problems arise during installation, please contact your local, agent authorized.

Before Installing Collectors:

Prior to installation of the solar collectors, the following items should be addressed:

Decide on location of solar hot water system

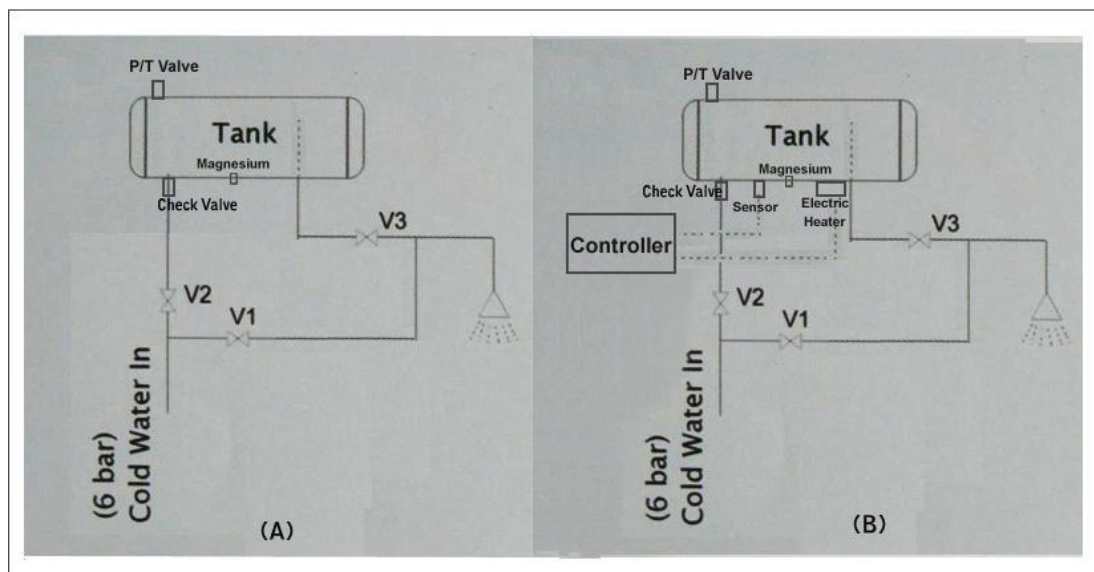
Check access for piping from solar tank to point of use (bathroom tank?)

Install pipe runs from solar tank to point of use

Pipes should be installed rising slightly to avoid the creation of air pockets

Insulate all pipe runs

Plumbing Schematic



Instruction:

Valve: V1 / V2 / V3

- Connect the cold line with the inlet of water tank through check valve;
- Open Valve(V2) to fill water into tank ,close Valve(V1) and Valve(V3) ;
- Check if the water is full in tank from the P/T valve when you fill water into tank firstly;
- When the tank is filled with water fully, keep Valve(V2) open and open valve(V1) and Valve(V3) to check everything is ok.
- For the system(B) with option accessories, like electric heater, controller, the above operation is the same. But the electric line must be connected before and checked filling water into tank. As for the exact installation manual, please refer to the controller SP26 manual.

Note: when you use hot water, please make sure that the valve(V2) and Valve(V1) is open.

Quick Start Guide

Please refer to the following guide step-by-step.

Step1: Install bracket and wring all screw.

(Angel of bracket available:25° ~45°)
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Step2: Put the tank on bracket and insert the tubes

Tighten the slip screws after finishing inserting tubes

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Angle 25°



Angle 36°~45°



Put the tank on the support (Angle: 25°~45°)



Keep heat pipe hole clean in tank



Daub thermal grease on heat pipe condenser



Cover up dust ring carefully

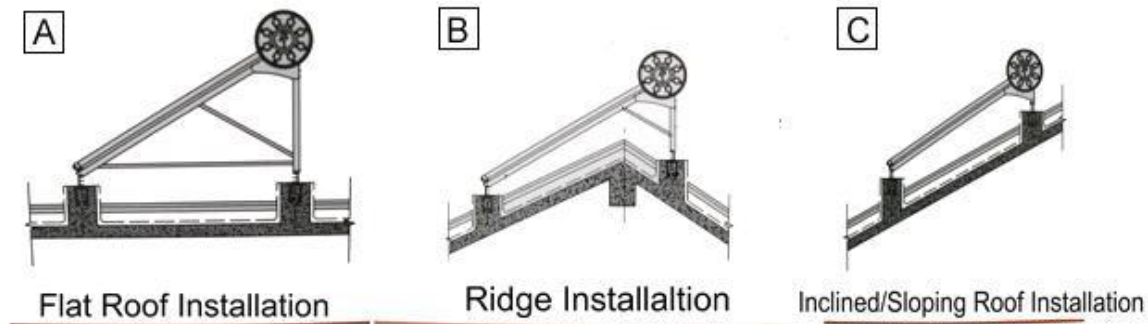


Insert vacuum tubes into tube jacket



Screw the tube jacket slightly

Step3: Tighten all crews and fix the system on roof



Note:

* The above ways of fixing system is only for reference and the exact one as per actual installation condition.

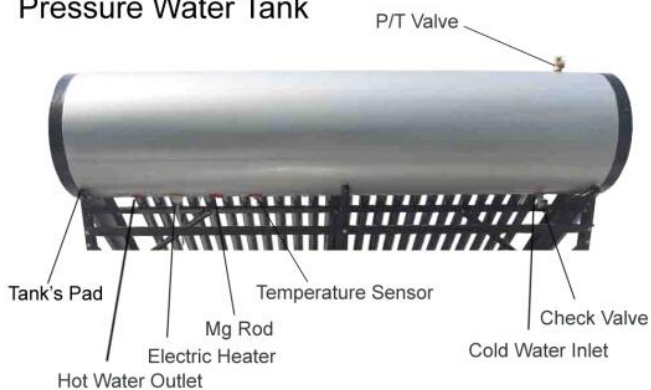
* All the installation must be operated by certified installers.

* Safety protection measures must be adopted.

* Waterproof measures should be taken when cement foundation is made.

Step4: Install Accessories and connect electric lines

Pressure Water Tank



Cautions:

1. Gloves and eye protection must be used when handling glass tubes
2. Avoid scratching or any sudden shock to tubes
3. Unpack and install tubes after all pipe work has been completed
4. Install the provided pressure relief valve to avoid over pressure.
5. Leaving tubes exposed to full sun for long periods without water in the tank will eventually degrade performance.
6. Do not use petroleum based lubricants in contact with silicon seals; use water based lubricants or vegetable oil to avoid degradation of seals.

Note:

As usual, P/T valve/, Magnesium, are included.

All the accessories mentioned will put in the water tank cartons.

Packing List:

No.	Item	Description	Quantity (PCS)
1	Solar Water Heater	Pressure Water Tank	1PC
2		Support	1PC
3		Heat Pipe Tubes	As per exact model
4		P/T Valve	1PC
5		Magnesium (Mg) Rod	1PC