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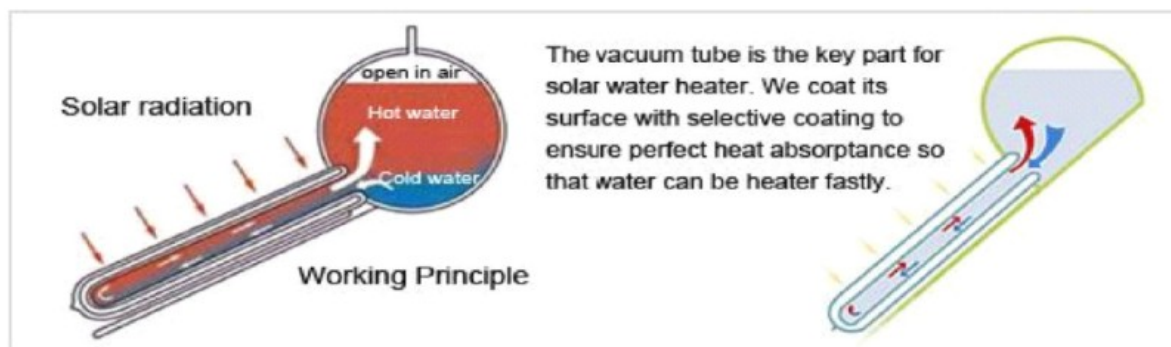
Compact non-pressure Solar water heater(150L)

Compact solar water heater is a kind of solar water heating system that solar collector and storage are connected together with the cylinder storage on the top and collector panel on the bottom. There is no need of pump to push the fluid and no need of pipeline between the collector and storage. It is a simple and safe solution to get heat power from the sun.



Description:

The compact solar water heaters relies on the natural circulation of water between the collector and the tank or heat exchanger. As water in the vacuum tubes is heated it rises naturally into the tank, while cooler water in the tank flows down to the bottom of the vacuum tubes, causing circulation throughout the system.



Compact Solar Water Heater :

Compact Solar Water Heater relies on density of the water, cold water down, hot water up, a cosmic physics. To circulate water through the collectors and the tank. When water in the collectors is heated up, it becomes lighter and naturally rises

into the tank. Meanwhile, cooler water in the tank flows down to the collectors.

In this type of installation, the tank must be together with the collectors. These systems are reliable and relatively inexpensive but be careful with the installation, because the water tank is much heavier than that you thought.

Compact Solar Water Heater can work without circulating pump. when the aid electric breaks down, it can't affect the working of the whole system. This makes the systems generally more reliable, easier to maintain, and has a long living life. This type much cheaper than the others, but are also generally less efficient due to slower water flow rates through the system.

Features:

- ◎ Cheap and reliable solution, Simple structure, Easy installation
- ◎ High efficiency
- ◎ Withstands water pressure no more than 0.1MPa

- ◎ Operated without any power supplying
- ◎ Electric heater can be used 1500W or 3000W
- ◎ Hot water can be used directly, or can be used as a pre-heat

Specification:

1. The outer tank material: colorful steel, thickness is : 0.4mm;
2. The inner tank material: stainless steel SUS304-2B, thickness is: 0.4mm.
3. The frame material: stainless steel sheet or strip, thickness is 1.5mm;
4. Tank diameter: outer tank diameter is 470mm, inner tank diameter is 370mm.
5. Vacuum tube: single target vacuum tube, coating: AL/N/AL
6. Capacity: 150L;
7. Insulating Layer Thickness: material: polyurethane; thickness is 55mm
8. Daily efficiency: >70%
9. Heat Preservation: 72 hrs
10. Hail Resistance: 25 mm
11. Angle of bracket: 25° , 38° , 45° .
12. Optional electrical heater: 1.5kw/2kw