



Solar Water Heater

Why is CHOFU solar water heater Earth-Friendly?

Not only savings in your energy cost,
using the sun's free energy does
a lot to the environment.



<http://www.chofu.co.jp/>



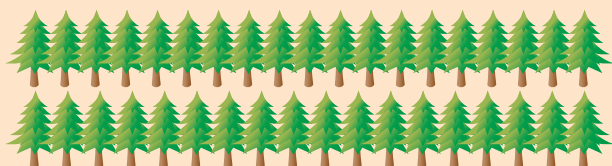
Made in Japan
Solar Water Heater

Solar water heater

It collects powerful solar energy efficiently and doesn't need electric power supply.

01 No generation of CO₂

Solar water heater reduces approximately 520kg CO₂ which other hot water heaters emit. (Equivalent to 37 pcs of cedar.)



02 Low noise design

No pump and burner mounted.

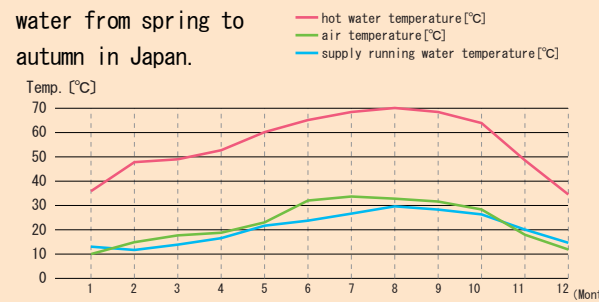


03 Running cost is ZERO

Thermosiphon system is simple heating principle.

1 Solar water heater collects power solar energy efficiently.

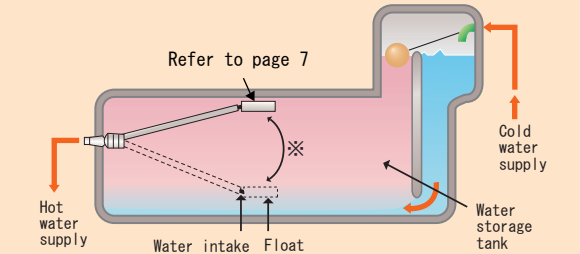
It's possible to get half of the annual calorie requirements and cover your all demand of hot water from spring to autumn in Japan.



(Location/Shimonoseki 33°57'N, 130°56'E Installation degree 30deg facing South) Model : SW1-231

2 Float system storage tank

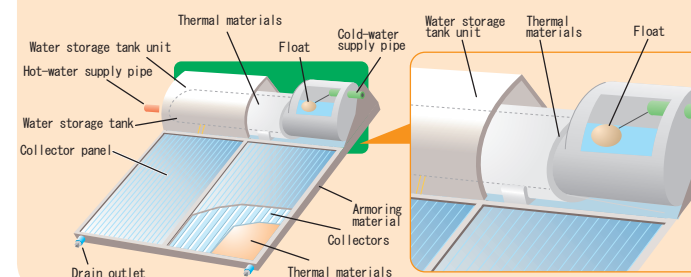
Supplying the most hot water in the water storage tank thanks to 'Float water intake system'.



※ Refer to page 7

04 High heat insulation capacity

Supplied water in the water storage tank goes through the collectors to become it hot and goes back to the water storage tank again, and then is kept hotly or warmly from night to morning.



05 Gas or oil-fired water heater can connect to the solar water heater.

06 Easy installation is available thanks to 'New connection system'

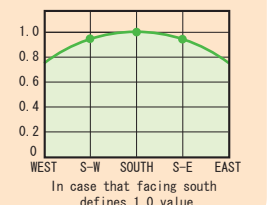
Change!

Patent pending Quick connection system



07 The most efficient energy is available by correct installation

The most efficient direction to get solar energy is due south, and the collectors are inclined at approximately 30 degrees.



Solar water heater

Utilizing uneven head pressure

Water flow pressure is up to the height of the installation



Natural circulation type

Structure that the collectors and the water storage tank are united.

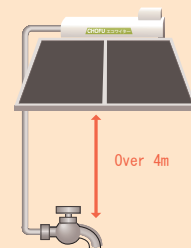
Supplying the most hot water in the water storage tank thanks to 'Float water intake system'

How to install 'Natural circulation type' correctly

2 or 3 m at least from the solar water heater is needed to use tap water.

3 or 4 m at least from the solar water heater is needed to use shower.

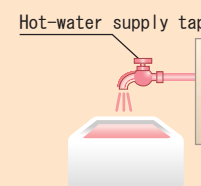
*SW1-211LD is not needed above head pressure installation.



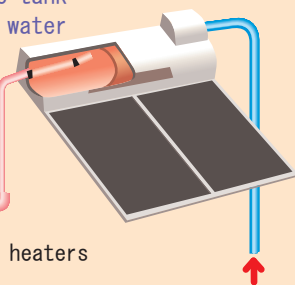
Hot to use it

When the water storage tank is always filled with water
(Use it with other hot water heaters.)

Hot-water supply tap



Water heaters



How to refill the water storage tank with water

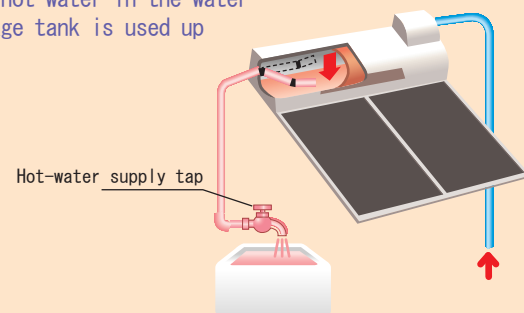
Close the hot-water supply tap and open the water supply tap for the water storage tank.

Hot-water supply

Open the hot-water supply tap, with the water supply tap for water storage tank opened.

When hot water in the water storage tank is used up

Hot-water supply tap



How to fill the water storage tank with water

Close the hot-water supply tap and open the water supply tap for the water storage tank.

Hot-water supply

Close the water supply tap for water storage tank, and open the hot-water supply tap. Water storage tank must be refilled with water after using up hot water.

Standard size collector



Storage tank capacity: 200 liter (including collectors)

Effective storage tank capacity: 185 liter (including collectors)

SW1-231

- Effective heat collection area : 2.94m²
- Tank exterior material : Color coated stainless steel
- Collectors exterior material : Stainless steel

Wide size collectors



Storage tank capacity: 200 liter (including collectors)

Effective storage tank capacity: 185 liter (including collectors)

SW1-231L

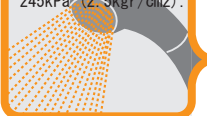
- Effective heat collection area : 3.31m²
- Tank exterior material : Color coated stainless steel
- Collectors exterior material : Stainless steel

Solar water heater

Direct pressure type with pressure reducing valve

Installation free (High pressure type)

Set pressure of the pressure reducing valve 245kPa (2.5kgf/cm²).



Direct pressure type with closed-two-circuits & natural circulation system

Structure that the collectors and the water storage tank are united.

Comfortable powerful shower is always available thanks to the pressure tank with the pressure reducing valve (245kPa). The height of the installation doesn't matter.

Feature

Combination use for other water heaters

Gas or oil-fired water heater can connect to the solar water heater.

Availability of clean water

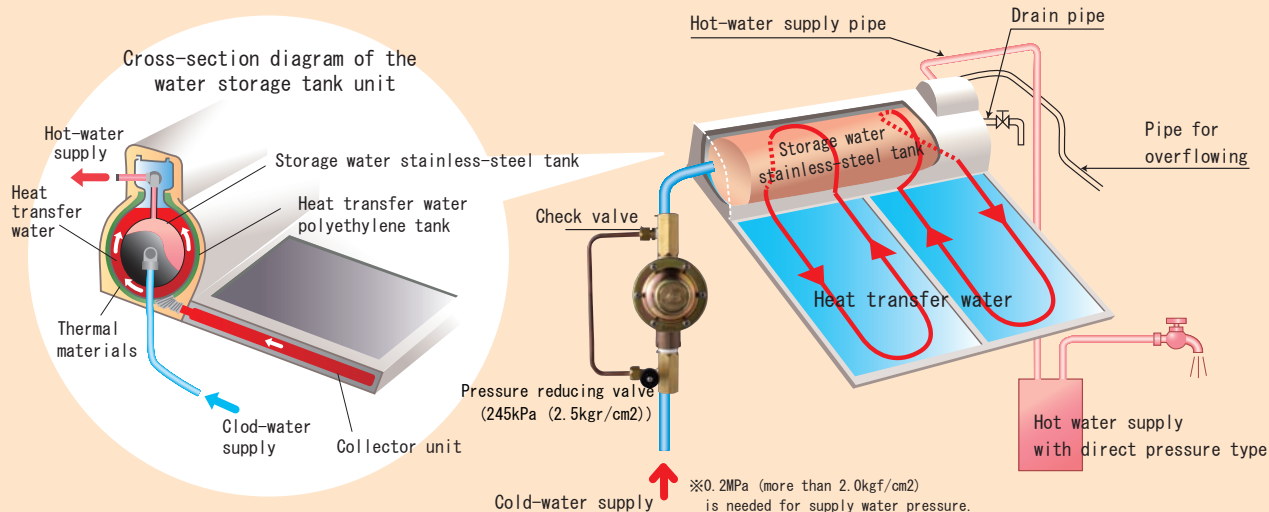
Supply hot-water becomes hot indirectly by warmed water in the collectors, so there is no need to worry about bog moss and so on because the supply hot-water in the storage tank doesn't get any air or sunlight.

Installation free

The height of the installation doesn't matter. Comfortable powerful shower is always available.

What is closed-two-circuits & natural circulation system?

Supply hot-water becomes hot indirectly by warmed water (heat transfer water) in the collectors.



Storage tank capacity :174 liter

SW1-211LD

- Effective heat collection area :3.31m²
- Tank exterior material : Color coated stainless steel
- Collectors exterior material : Stainless steel