

Fortune Smart Industrial Limited

Presentation

Medium-Pressurized (MP) Solar Water Heater

by
Coiling Copper Finned Tube

(Version-2)



Medium-Pressurized Solar Water Heater

- Medium-Pressurized Solar Water Heater is a new type of solar water heater designed and manufactured SOLELY BY FSI in China.
- Our Medium-Pressurized Solar Water Heater are ISO9001:2000 certified.
- Our Medium-Pressurized Solar Water Heater are SOLELY issued patents TO FSI in China.
- For more information, please visit our website:

[Http://www.fsiheater.com](http://www.fsiheater.com)

[Http://fsiauto.en.alibaba.com](http://fsiauto.en.alibaba.com)

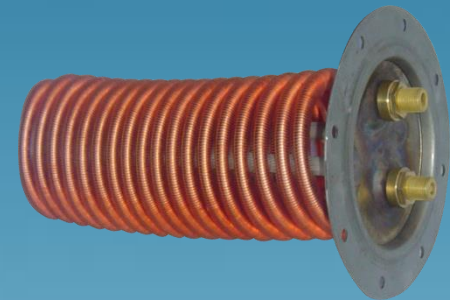


Advantages of Medium-Pressurized Solar Water Heater

- Heat Exchanger of Medium-Pressurized Solar Water Heater by Coiling Copper Finned Tube is Unique Technology used in Solar Water Heater SOLELY BY FSI in China.
- New Heat Exchanger brings lots of advantages of Medium-Pressurized Solar Water Heater over Traditional Solar Water Heater as:
 - (1) more healthful in bathing
 - (2) more agreeable in bathing
 - (3) more stable and easy in use
 - (4) more endurable in use
 - (5) High efficiency
 - (6) eco-friendly
 - (7) energy-saving
 - (8) easy in maintenances
- The patent for Medium-Pressurized Solar Water Heater guarantees the most competitive prices to all our clients worldwide.

Features of Medium-Pressurized Solar Water Heater (1)

- New Heat exchanger by coiling copper finned tube, material: C12000. Fin height: 5~10mm, heat transferring area: 1.6 m² . Heat transferring Area Ratio: Outside to Inside A_1/A_2 (i.e copper finned tube to plain copper tubes): 12.
- Our new solar water heater is named after medium-pressurized one because it has the same pressure of water supply pipe network which is higher than that of integral non-pressure and lower than that of split high-pressure solar water. It have the same work principles as that of boiler, water heater.



*Coiling Copper Finned Tube
Heat Exchanger*

Features of Medium-Pressurized Solar Water Heater (2)

- New Heat exchanger by coiling copper finned tube has a large area rate of outside to Inside A_1/A_2 as 12 which ensures better performances than that of copper coil (by plain copper tube) solar water heater.
- The water tank works only as a heat storage housing.
- The water for our MP solar water heater is directly from tap water which is fresh, clean and agreeable for bathing, washing, but not from water tank in which second pollution will happens when using in the traditional solar water heater.

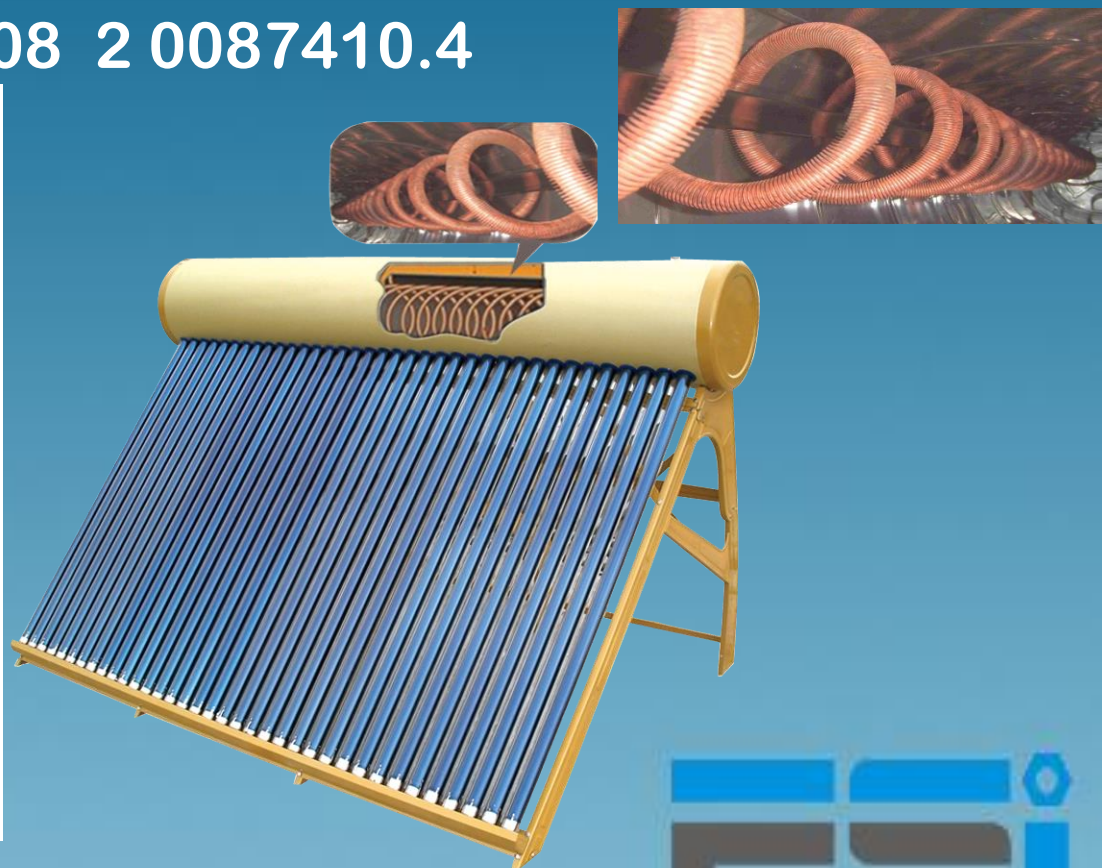


*MP SOLAR WATER HEATER BY
Coiling Copper Finned Tube
Heat Exchanger*

Features of Medium-Pressurized Solar Water Heater (3)

The patent of our Medium-Pressurized Solar Water Heater

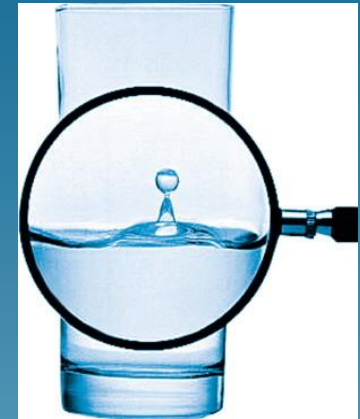
Patent Number: ZL 2008 2 0087410.4



Features of Medium-Pressurized Solar Water Heater (4)

More Healthful:

1. Coiling Copper Finned Tube Heat Exchanger enables fresh and clean water directly from Water Supply Pipe Network but not from tank.
2. Coiling Copper Finned Tubes with interior reinforcement fins have great effects in sterilization and bacteriostasis of water.
3. Our MP solar water heaters are approved to be more agreeable to the skins of BABY and ELDER.



Features of Medium-Pressurized Solar Water Heater (5)

More Agreeable :

1. The Medium-Pressurized water enables a balanced and stable pressures of cold and hot water both.
2. The balanced and stable pressures enable a friendly and easy way in adjusting the temperatures when bathing.
3. It really works as a “Solar Boiler” which has a high efficient heat transferring effects.



Features of Medium-Pressurized Solar Water Heater (6)

Better in Energy-Saving:

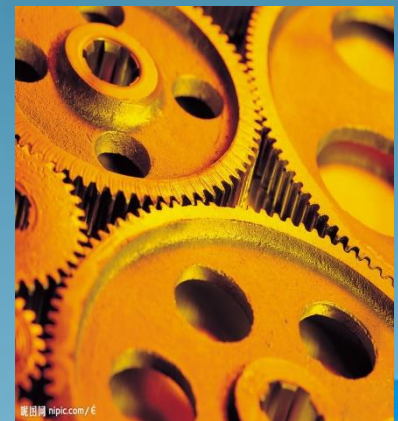
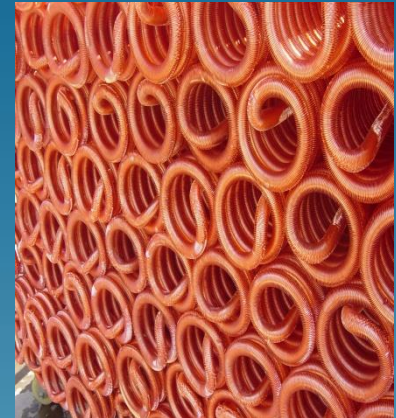
1. The fresh and clean tap water can be used in washing, cooking and boiling water besides bathing.
2. Much can be done in energy-saving by our Medium-Pressurized solar water heater.



Features of Medium-Pressurized Solar Water Heater (7)

Easier in using, maintaining:

1. MP Solar Water Heater has a stable and friendly performances in using, no special requirements in using.
2. No special maintenances is required for our MP Solar Water Heater.

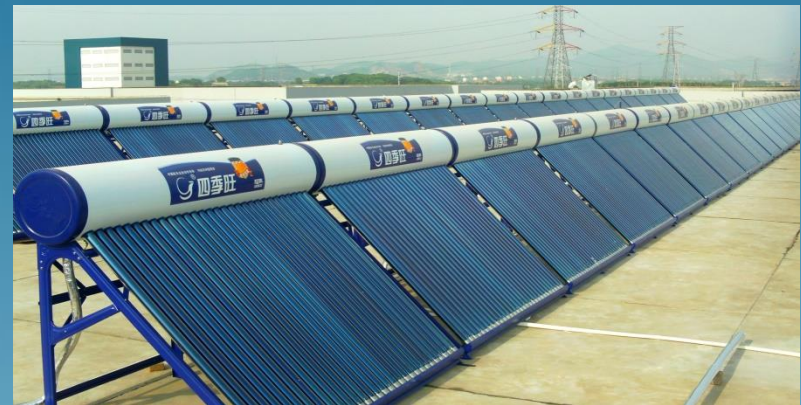


Features of Medium-Pressurized Solar Water Heater (8)

Easier in Assembling:



Solar Water Heater Connected in series
For Factory



Solar Water Heater Connected in series
For Club

Features of Medium-Pressurized Solar Water Heater (9)

Easier in Assembling:



Two Solar Water Heaters Connected in series
For Villa



Solo Solar Water Heater For Terrace

Que & Ans. on Medium-Pressurized Solar Water Heater (1)

- **QUE:** Is the heat transferring efficiency by our new heat exchanger of coiling copper finned tubes good enough to enable the hot water to outflow from one end of heat exchangers immediately when the cold water inflows from another end?

- **ANS:** Definite. The new heat exchanger by coiling copper finned tubes has as larger of heat transferring area of 12 times as that of Plain copper tube which ensures our solar water heater works as a “boiler”. We double tested our water heater and got results as:
 1. Inflowing water temperature: 19 degrees
 2. Water temperature in tank: 55 degrees
 3. Outflowing water rate: 6L/minutes
 4. Ourflowing water temperature: 51 degrees.

Que & Ans. on Medium-Pressurized Solar Water Heater (2)

- **QUE:** Why is the hot water by our solar water heater much more fresh and clean than that of Traditional solar water heater? Much more healthful?
- **ANS:** The new type of heat exchanger by coiling copper finned tubes enable our solar water heater to get the water directly from Water Supply Pipe Network (the tap water) through the copper finned tube but not from tank as Traditional solar water where second pollution happens to the water in tank when the fresh and “old” water mixes for a long time which will be harmful to human’s skins when bathing. In our solar water heater, the water is always fresh and clean. The water in tank just works as a thermal storage.

Que & Ans. on Medium-Pressurized Solar Water Heater (3)

- **QUE:** Will we feel much more agreeable in bathing for our solar water heater than that of Traditional one?
- **ANS:** The water pressure from Water Supply Pipe Network enable our solar water heater to have a stable and balanced pressure of both the cold and hot water which ensures us an easily and friendly adjustment in temperature when bathing. You can feel more comfortable in bathing for our solar water heater than that of Traditional one.

Que & Ans. on Medium-Pressurized Solar Water Heater (4)

- **QUE:** Why are our solar water heaters much energy-saving than that of Traditional one?
- **ANS:** The fresh and clean tap water from our solar water heater can be used in washing, cooking and boiling water besides bathing round the year. However for a Traditional solar water heater, things can not be so done because the water in tank is not clean enough for washing, cooking and boiling water etc. So our solar water heaters take great advantages over the Traditional ones in energy-saving.

Que & Ans. on Medium-Pressurized Solar Water Heater (5)

- **QUE:** Are our solar water heaters easily broken down?
- **ANS:** No. To the contrary, it is much better for our solar water heaters in failure rate than that of Traditional ones. For our solar water heater, the water in tank is always stationary and full which is not needed to be circulated every time as Traditional ones do which will cause many failures. Actually there is almost no need in maintenances for our solar water heater once installed. At the same time, it will bring our solar water heater a longer life than that of Traditional one.

Que & Ans. on Medium-Pressurized Solar Water Heater (6)

- **QUE:** Will scale formation happens in the copper finned tube after years which will reduce the heat transferring efficiency?
- **ANS:** Seldom. For the outside of copper finned tubes such as fins which accounts for most of the transferring area, the scale formation almost does not happens because the water in tank is always stationary and full which is not needed to be circulated every time as Traditional ones do which is the key factor for scale formation. So the heat transferring efficiency will be reduced LITTLE after years. At the other hand, our solar water heaters were approved in fact that the scale formation seldom happens and the heat transferring efficiency is almost the same as the new one after using by 4 years.

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Welcome to FSI

*Hope this presentation can provide you with
some understanding of MP solar water heater by
FSI.*

*It is our great pleasure to have a chance to work
with you and establish a long term & close
business relationship with your
esteemed company.*

Warmly welcome to visit our factory.

Thanks

