



# Fortune CP Low Pressure Solar Water Heaters

The concept of FORTUNE CP's system was to create an environmentally safe, super-efficient and reliable solar water heater that is durable and easy to install.

Low pressure water heaters are passive systems since they do not use a pump to increase circulation pressure. Water flows through the system when warm water rises as cooler water sinks. The collector must be installed below the storage tank so that warm water will rise into the tank.

These work best in areas where temperatures rarely fall below freezing, and are to be used in applications where water consumption is not very high such as domestic units. Often these systems are installed with an electrical back-up element.

Low pressure systems are the most economical. The price is reasonable for the benefits you get, such as free hot water for over 20 years. The payback period is very short, in some cases less than a year.

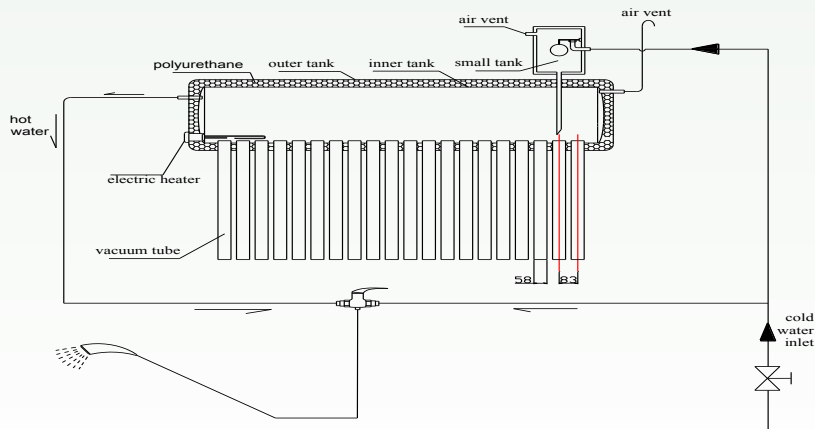


### Applications

- Houses/Homes
- Hotels and Tourism resorts
- Schools, Hospitals and Clinics
- Other applications

### FEATURES

- 1) Simple structure
- 2) Easy to install
- 3) Can be used with an auxiliary electric booster so as to provide hot water on days without sunshine
- 4) Can be installed on an inclined roof using a frame
- 5) A small gravity feed tank can be added for automatic water feeding



## Technical data

	FCTZ58/1800-12	FCTZ58/1800-15	FCTZ58/1800-18	FCTZ58/1800-20	FCTZ58/1800-24	FCTZ58/1800-30
<b>GENERAL DATA</b>						
absorbing area (m2)	1.647	2.085	2.478	2.755	3.310	4.142
operating pressure (bar)	0					
ambient temperature	0-60 °C					
daily efficiency	>=55%					
empty weight (kg)	46	52	65	71	79	98
loading qty (20/40/40HQ)	48/100/116	40/80/88	36/72/80	32/68/72	28/56/64	22/44/52
<b>STORAGE TANK</b>						
capacity (L)	120	150	180	200	240	300
outer material (mm)	painted steel 0.4mm● stainless steel 0.4mm○ galvanized 0.4mm○					
inner material (mm)	stainless steel 304 0.5mm● stainless steel 316 0.5mm○					
insulation	PUF					
electric heater	○					
nipple size	1/2"● 3/4"○					
feeder tank	○					
welding	○					
reflector	○					
controller	○					
tank packing size (mm)	1320*560*560	1570*560*560	1810*560*560	1980*560*560	2310*560*560	2830*560*560
<b>VACUUM TUBE</b>						
size	58/1800mm					
tube qty	12	15	18	20	24	30
tube packing size (mm)	1880*330*250					
<b>FRAME</b>						
material	galvanized● stainless steel○ aluminum○					
inclined roof	galvanized ○					
angle	45°● 30°○					

### QUALITY

FORTUNE CP `s solar water heaters are manufactured by a factory with International Standards such as ISO 9001:2000, CE, Solar Keymark, SABS, CSA. The systems are suitable for supply to Europe, Americas, Africa and Asia.



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