

Pressurized SWH with heat pipes

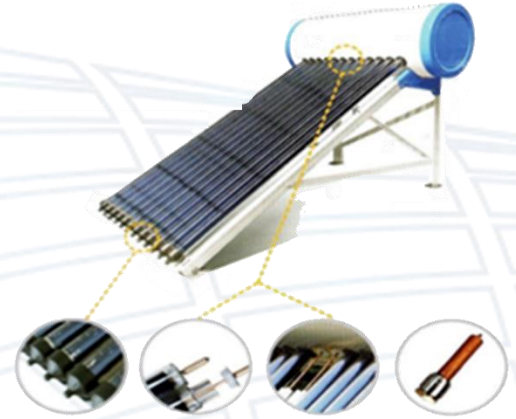
For water heating available with 100-300 L tank .

Installation types :

Pitched roof , flat roof .

Advantages and benefits

- Easy installation and low maintenance cost of heat pipes and Vacuum tubes .
- High-quality stainless steel for the inner tank to continuously Maintain a good water quality .
- Stable operating without tube scaling or pipe explosion risk .
- Fast system starting , high energy yield and low heat loss .
- Strong capability of anti-freezing that is available for different installation methods .

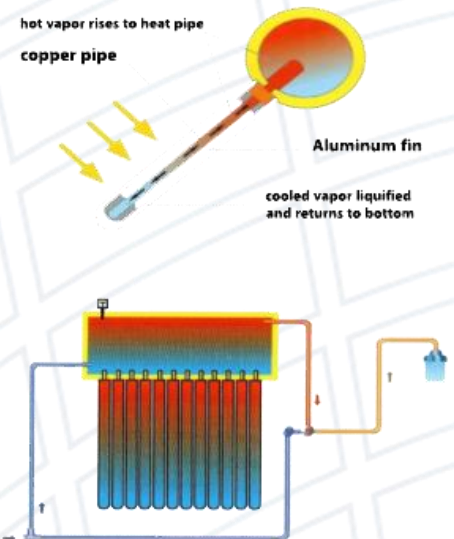


Scope of delivery

tank , aluminum bracket , vacuum tubes with heat pipes .

Pressurized heat pipe solar water heater :

- The selective coating on the inner cover of the vacuum tubes Converts solar energy and transfers heat to the heat pipes by aluminum fins . The liquid in the heat pipe changes into vapor which rises to the condenser . Then the heat passes through the heat exchanger , the water inside of water tank is being heated , and the vapor becomes liquid , returning to the bottom of the heat pipe . This transference of heat pipe vacuum tube collector is heated by sun .
- Heat is transferred by liquid to the water tank and heat the water efficiently . In addition , heat pipe vacuum tubes is highly freezing resistance , which ensures higher efficiency in cold areas .
- Pressurized water tank ensures high comfort when customer uses hot water , the water flow and water pressure is much higher than compact non-pressurized solar water heater .



certification standards :



Data sheet :

Series (standard)			HP-100L	HP-200L	HP-300L
General info	Rated operating pressure	Mpa	0.6	0.6	0.6
	Gross surface area	m ²	1.35	2.74	4.12
	Aperture area	m ²	1.01	2.01	3.02
	Installation dimensions (LxWxH)	mm	1286 x 2005 x 1365	2086 x 2005 x 1365	2886 x 2005 x 1365
Water tank	Tank dimensions	mm	φ 480 x 1164	φ 480 x 1964	φ 480 x 2764
	Tank weight	kg	34	54	74
	Insulation of tank	material / mm	Polyurethane / 47.5	Polyurethane / 47.5	Polyurethane / 47.5
	Material inner tank	material		Stainless steel SUS304-2B	
	Diameter / thickness inner tank	mm		φ 385 / 1.2	
	Material outer tank	material		White painted steel	
	Diameter / thickness outer tank	mm		φ 480 / 0.4	
tube	Type of vacuum tubes			φ 58x1800 mm vacuum tube & heat pipe	
	Evacuated tubes	no.	10	20	30
Bracket	Bracket	material / colour		Aluminum alloy / Silver white	
	Bracket inclination	degree		30	
	Weight	kg	7	11	13
Others	Electric heating	w		1500 , with thermostate	
	TP valve Temp. / Pressure	°c / Mpa		85 / 0.6	
	DIN CERTCO registration number			011-752715A	