

Heritage

HEAT PIPE PLUS SYSTEM



- Start up quickly, heat pipe transfer the heat energy into the storage tank
- With standard pressure of 8 bar, can be connected directly with water
- No water in the vacuum tubes, the the heat pipe water heater still works even with several tubes broken
- Simple structure makes installation quick and easy
- Can be used all year around even in the cold climate (high latitude)

Model#	Capacity	Tube Size	Tube QTY	Water Tank Dia.	Working pressure
STE-HPMWH100	100L	58*1800 mm	10pcs	Φ 420*1470mm	0.7Mpa
STE-HPMWH150	150L	58*1800 mm	15pcs	Φ 420*1470mm	0.7Mpa
STE-HPMWH200	200L	58*1800 mm	20pcs	Φ 420*1470mm	0.7Mpa
STE-HPMWH250	250L	58*1800 mm	25pcs	Φ 420*1470mm	0.7Mpa
STE-HPMWH300	300L	58*1800 mm	30pcs	Φ 420*1470mm	0.7Mpa

SPECIFICATIONS

Water Tank	Inner tank	1.2mm thickness Stainless steel SUS304/316
	Outer tank	Stainless steel/Color coating steel
	Hole pitch	80mm
	Insulation	Polyurethane Foaming 50mm
	Air vent connector	3/4" M
	Water intel/outlet connector	3/4" M
Vacuum Tube	Coating material	CU/SS-ALN(N)/SS-ALN
	Sediment method	Three Target magnetron sputteringplating
	Size	58*1800mm
Mounting Bracket	Material	Galvanized steel 1.5mm
	Angle	20° / 38° / 45° / 60°
Package	Carton Box	
Accessories	Heating element, P/T Valve, Magnesium rod	
Certifications	Solar Keymark, CE,GMC,ISO9001,ISO14001,CCC,SGS	

HERITAGE INTERNATIONAL DEVELOPMENT CO., LTD.
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กรมพัฒนาพลังงานทดแทน
และอนุรักษ์พลังงาน
กระทรวงพลังงาน

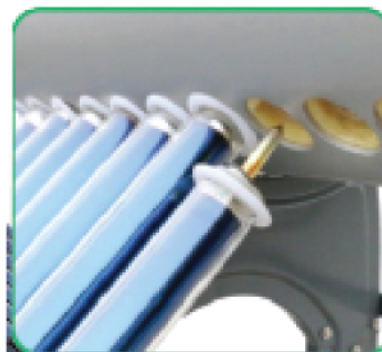
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HEAT PIPE COLLECTOR



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INDIRECT HEATING



Model#	Capacity	Tube Size	Tube QTY
STE-HPWH100	100L	58*1800 mm	10pcs
STE-HPWH120	120L	58*1800 mm	12pcs
STE-HPWH150	150L	58*1800 mm	15pcs
STE-HPWH180	180L	58*1800 mm	18pcs
STE-HPWH200	200L	58*1800 mm	20pcs
STE-HPWH240	240L	58*1800 mm	24pcs
STE-HPWH300	300L	58*1800 mm	30pcs

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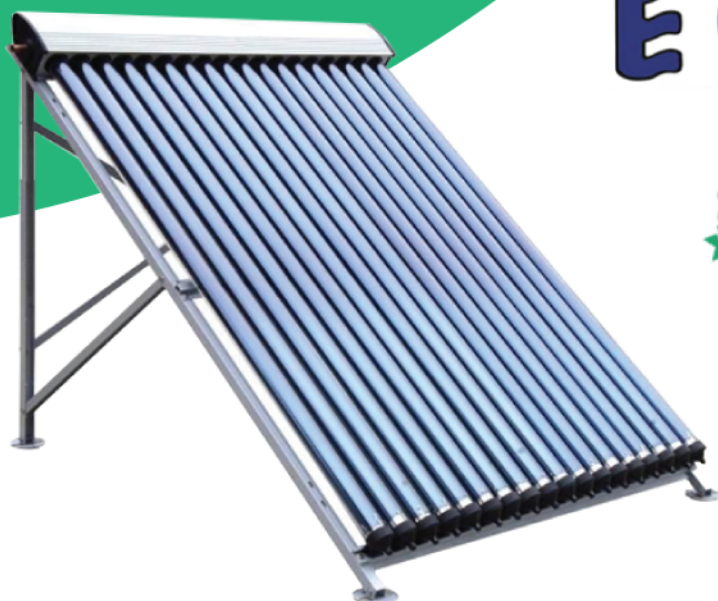


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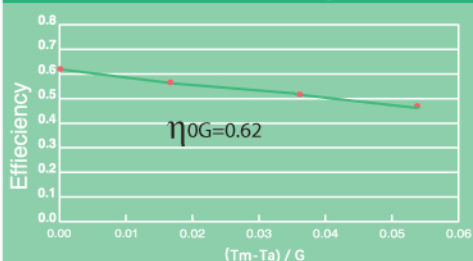


HEAT PIPE COLLECTOR

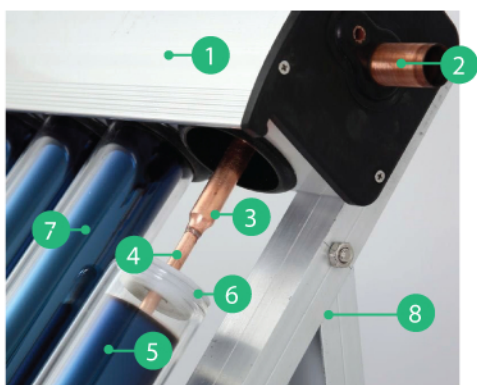
- High efficiency evacuated heat-pipe circulation
- Suitable for both residential and commercial projects
- Steam-back and drain-back compatible header
- Easy to install designed aluminium mounting frame with corrosion resistant
- Comprehensive 5 year limited warranty



Instantaneous Efficiency Curve



Aperture area used for curve: 1.904m²



Collector Components Materials

#	Component Name	Material	Technical Discreption
1	Manifold Box	Aluminium 3003	Cross section size 115x125 mm, wall-thickness 2.0mm, rock wool insulation
2	Header Pipe	C12200 copper	Diameter 35mm, wall-thickness 0.8mm, 99.9% purity copper
3	Heat Pipe Bulb	C10200 copper	Diameter 14mm, wall-thickness 0.8mm, 99.5% purity copper
4	Heat Pipe	C10200 copper	Diameter 8mm, wall thickness 0.6mm, 99.5% purity copper
5	Inner Tube Absorber	Aluminum 1060	Thichness 0.15mm with selective coating
6	Tube Sealing Plug	Silicone and SUS	3mm thickness, stainlessflange connection with HTV silicone
7	Evucated Tube	Borosilicate glass	Diameter 58mm, wall-thickness 1.6mm, length 1800mm
8	Mounting Frame	Anodised aluminum	Cross section size 40x30 mm, wall-thickness 2.0mm

Collector Code.	Quantity Of Tubes	Overall Dimension	Aperture Area	Gross Area	Gross Dry Weight	Fluid Capacity	Max.Working Pressure	Stationary Temperature
STE-HPSC12	12	900x1980 mm	1.14 m ²	1.78 m ²	39.5 KGs	0.35L	0.7MPa	230 °C
STE-HPSC15	15	1280x1980 mm	1.43 m ²	2.53 m ²	49.5 KGs	0.42L	0.7MPa	230 °C
STE-HPSC20	20	1650x1980 mm	1.91 m ²	3.27 m ²	66.0 KGs	0.53L	0.7MPa	230 °C
STE-HPSC25	25	2000x1980 mm	2.38 m ²	3.96 m ²	80 .5 KGs	0.65L	0.7MPa	230 °C
STE-HPSC30	30	2380x1980 mm	2.85 m ²	4.85 m ²	95.5 KGs	0.76L	0.7MPa	230 °C