
riwatt

Non-pressure Solar Water Heater

Type	Evacuated Tube
Tube Size	58-1800mm
Pressure	Non-pressure/Low Pressure
Circulation Type	Other
Heating System	Thermosyphon (Passive)
Connection Type	Direct-Plug
Model Number	RIWATT -08,10,12,15,20,24,30
Recommend Region	Latin America,Asia, Africa,



Key points:

Inner tank: stainless steel SUS304-0.4/0.5mm

Vacuum tube: Cu/SS-ALN(H)/SS-ALN(L)/ALN 58-1800mm

Outer tank shell: Zinc coated galvanized steel (PVDF)

Insulation: high density polyurethane,55mm

Frame: coated galvanized steel-1.5mm

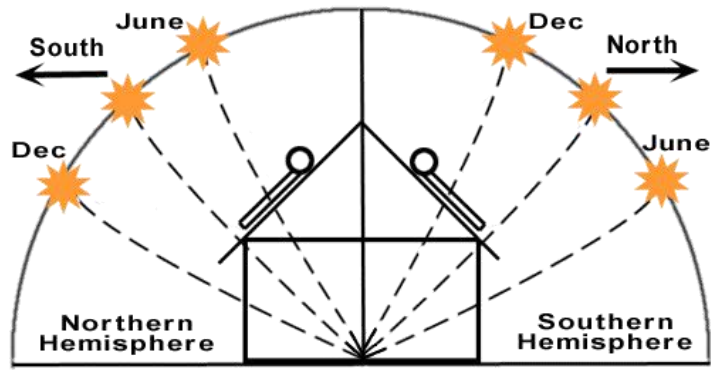
Use the sun to warm your water. Save up to \$579 per year!!

Specification:

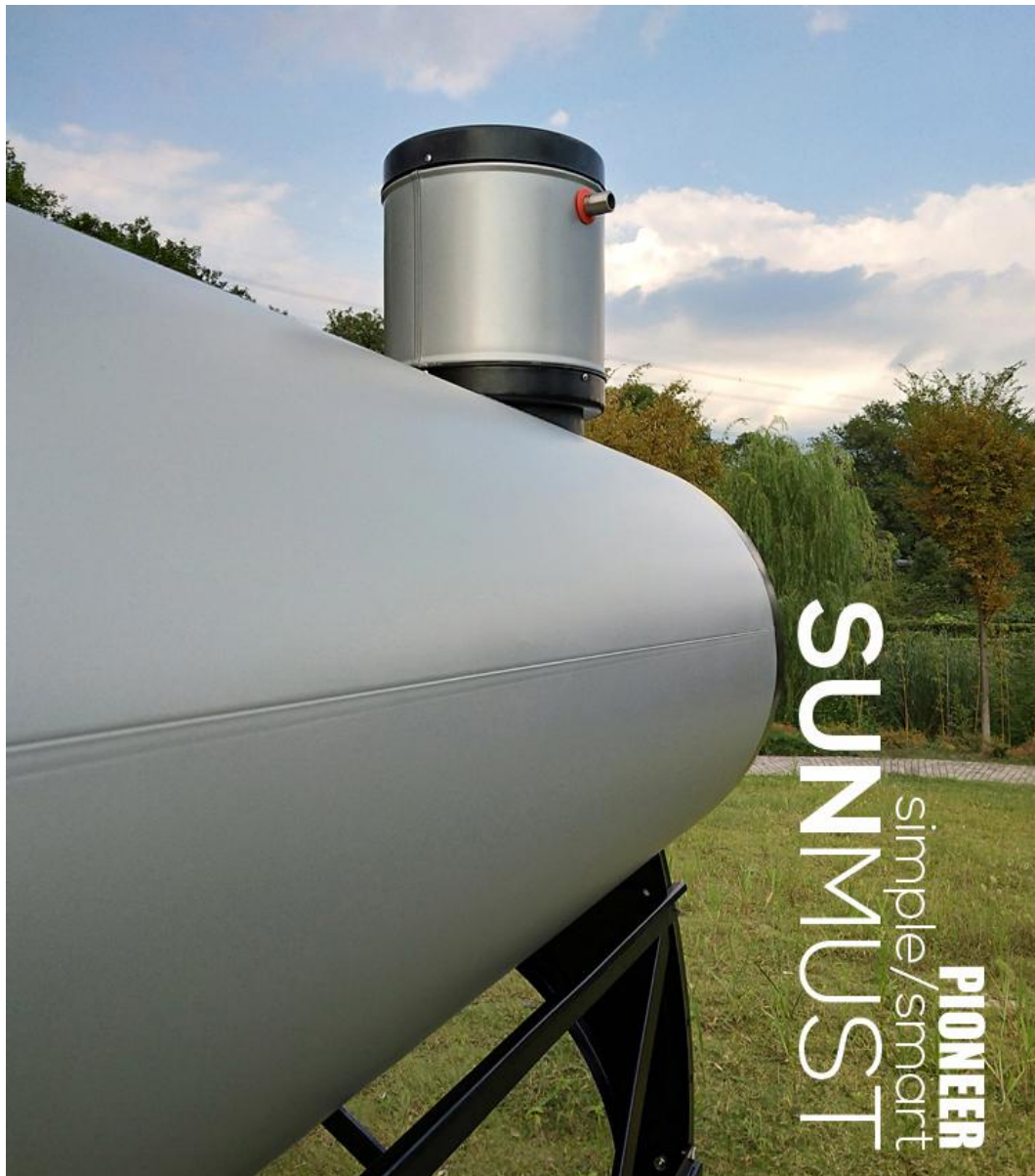
Water Tank		
1	Material of out tank	Zinc coated galvanized steel (PVDF) \ SUS-201 Stainless Steel.
2	Material of inner tank	Food grade stainless steel SUS304-2B, 0.4/0.5mm thickness
3	Tank insulating layer	55mm , high-density polyurethane foam
4	Inlet and outlet hole	1/2", 3/4"
5	Tube to tube distance	80mm
6	Tank size	470/360mm
7	Welding:	Argon arc welding
Vacuum Tubes		
8	Tube structure	All-glass double deck co-axial structure
9	Glass material	High borosilicate 3.3 glass
10	Outer tube dia. and glass thickness	Ø58±0.7mm; Glass thickness 1.6±0.15mm
11	Inner tube dia. and glass thickness	Ø47±0.7mm; Glass thickness 1.6±0.15mm
12	Tube size	58*1800mm
13	Structure	Cu/SS-ALN(H)/SS-ALN(L)/ALN
14	Sediment method	Three targets magnetron sputtering plating
15	Specific absorption	0.93-0.96(AM1.5)
16	Emission ratio	0.04-0.06(80°C ± 5°C)
17	Vacuum tightness	5.0×10 ⁻³ Pa
18	Idle sunning property parameters	260-300 m ² .C/KW
19	Average heat loss coefficient	ULT=0.4~0.6W/(M2.0C)
20	Resistant Hail	≤35mm
21	Useful life	15 years
Bracket		
22	Bracket:	Coated Stronger galvanized steel-1.5mm
23	Bracket angle:	25 degree flat roof
24	Fastening pieces:	Stainless steel.

Mounting Surfaces and direction:

Solar system can be installed on a flat roof or a tiled roof with maintaining the proper angles and directions. Naturally you want the collector to receive the maximum amount of sunlight each day and throughout the year. As a general rule if you are in the Northern Hemisphere then the collector should face south and if you are in the Southern Hemisphere then the collector should face north. See diagram below.



You do not have to be too careful about mounting the collector at the exact angle suggested. If your roof angle is within 10 \pm of your desired angle you can just mount the solar collector flush against the roof surface. The added trouble of adjusting the collector to a precise angle is not warranted as it will not result in a great improvement in efficiency.



Application:

Suitable for an apartment, house, villa, a small residence, a hotel room, business building etc...
Domestic and professional hot water : showers and baths, dishwashers, washing machines, hot spas or swimming pools. Multiply capacity with in series / in parallel connection.

Feature:

Hot water at will

The riwatt solar heater adapts to all your needs for an apartment, a house or residential or hotel project. It is a product suited for everyone

High Performance Solar collectors

Thanks to vacuum tubes, UV rays are captured, and the water heats up more quickly, even in rainy days

Keeps water hot for 3 days

In addition to the vacuum sensors that act as a thermos, the tank is made of sustainable insulated high density polyurethane

30 steps Installation

With its installation manual all in pictures, and its installation video, the riwatt Solar Water Heater is ready to be used in 45 minutes

5 year product warranty

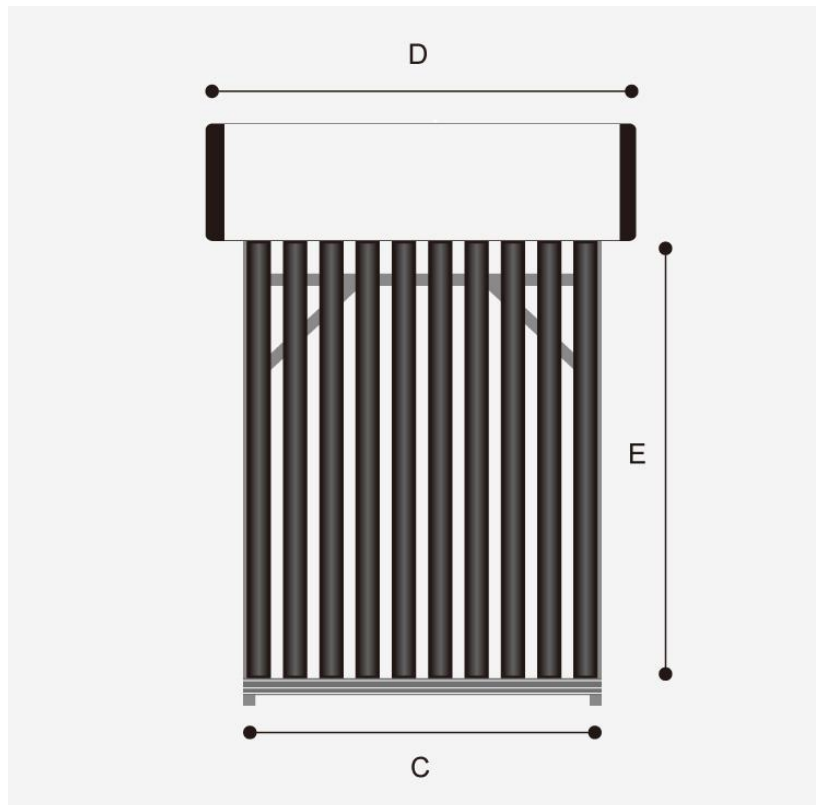
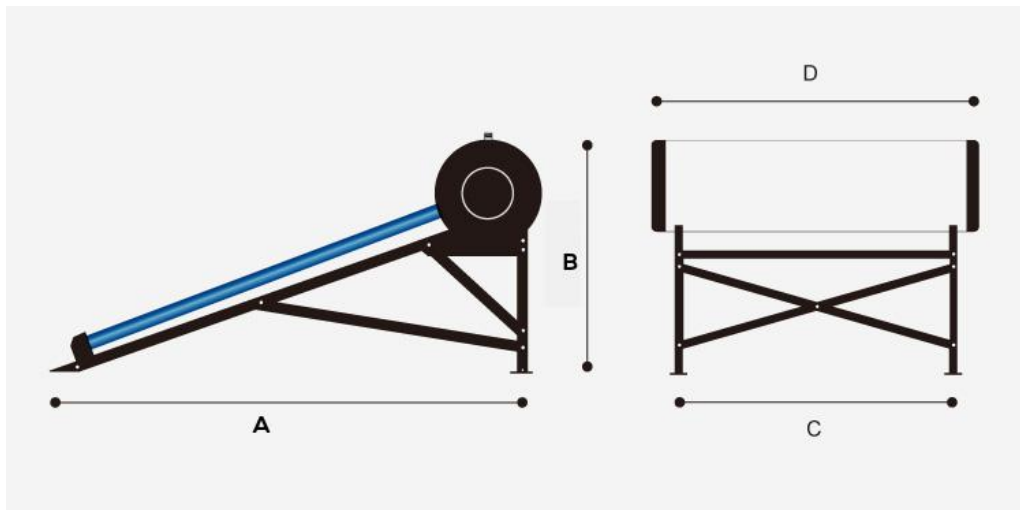
With over 20000 water heaters sold worldwide our brand and our products are a symbol of confidence

System Dimension:

MODEL	Vacuum Tube		Capacity (L)	Absorber Area	Suitable for
	Pcs	Size(mm)	Tank	(M2)	(Persons)
RIWATT-08-PRO	08	58×1800	80	1.064	2
RIWATT-10-PRO	10	58×1800	100	1.330	3~4
RIWATT-12-PRO	12	58×1800	120	1.596	5
RIWATT-15-PRO	15	58×1800	150	1.995	6~7
RIWATT-20-PRO	20	58×1800	200	2.660	8
RIWATT-24-PRO	24	58×1800	240	3.192	9~10
RIWATT-30-PRO	30	58×1800	300	3.990	13

MODEL	A	B	C	D	E
RIWATT-08-PRO	1880	1350	660	760	1700
RIWATT-10-PRO	1880	1350	820	920	1700
RIWATT-12-PRO	1880	1350	980	1080	1700
RIWATT-15-PRO	1880	1350	1220	1320	1700
RIWATT-20-PRO	1880	1350	1620	1720	1700
RIWATT-24-PRO	1880	1350	1940	2040	1700
RIWATT-30-PRO	1880	1350	2420	2520	1700

PS.: 1~3cm tolerance might be existed, please note, unit: mm

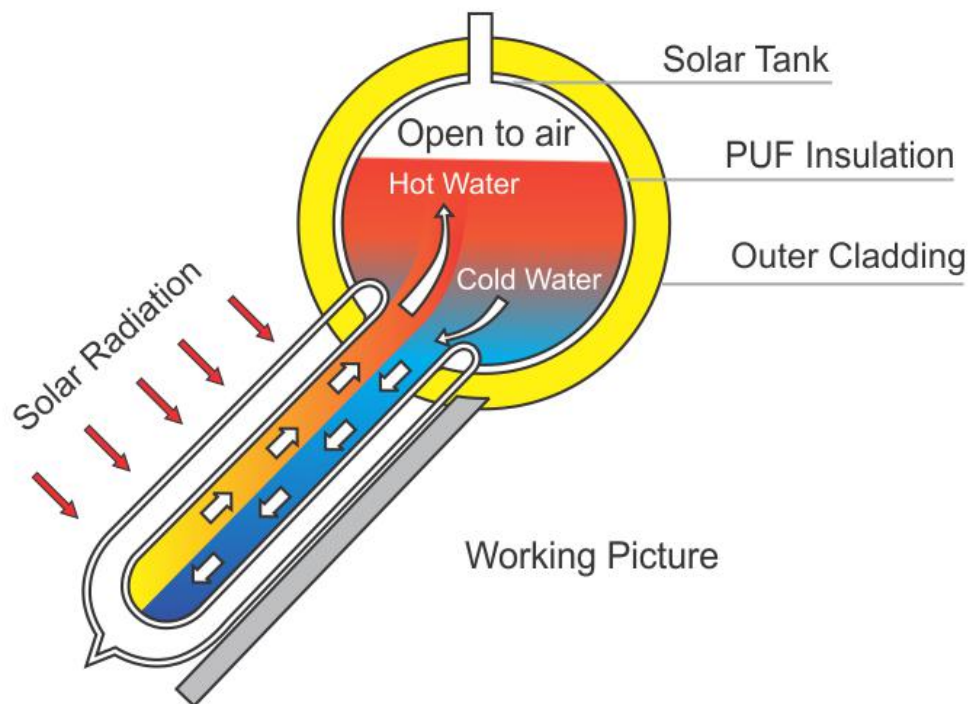


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Type	Solar Water Heater (50 Gal)	Electric Heater (50 Gal)	Gas Heater (50 Gal)
Price Tag	\$1,190	\$334.80	\$497.14
Cost per year	\$0	\$579	\$263
5 years cost	\$1,190	\$3,229.80	\$1,812.14
10 years cost	\$1,190	\$6,124.80	\$3,127.14

Description:

Thermosyphon solar water heater(compact non-pressure solar water heater) relies on the natural circulation of water between the collector and the tank or heat exchanger. As water in the vacuum tubes is heated it rises naturally into the tank, while cooler water in the tank flows down to the bottom of the vacuum tubes, causing circulation throughout the system.



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