



WIDEX Solar Collector

U type series :

The u-type collector adopt the fast radiation speed technology with international patent interference membrane plating technology, so it has the advantage of high temperature and fast heat transfer speed.No water in the tube, so there is no danger of blast and the machine's lifetime is longer and performance is better. The collecting performance is improved by 12% compared with the normal tubes.



U type series features :

- Work under pressure: Can operate with water pressure up to 0.6MPa.The high pressure bearing technology won't limit the install position.Storage do not need be installed above the collector The hot water run under high pressure, the flow is big, and it is convenient for bath; there is no water in the vacuum tube, no scale, no danger of blast, the anti-freezing capacity is stronger and the whole machine works reliably.
- Perfectly combined with buildings: the departure of heat collector and water tank accomplished the real combination of water heater and building.
- Better design of outlook style: the omni directional industrial design is considerable on the factors of Human and Machine Engineering Science.
- Can be combined with existing energy source.

The U pipe solar collectors have passed Solar Kermark test,and reached EN12975 Standard.



Registration NO:011-7S123R

Technical Data of U Pipe Solar Collector

Number of covers	1					
Materials of cover	Borosilicate glass					
Thickness of cover	1.8 mm					
Tube or channel pitch	88 mm					
Heat transfer medium	Water-Glyco					
Maximum operation temperature	250 °C					
Maximum operation pressure	6 bar					
Absorber Materials	Glass					
Absorber Surface treatment	Graded AlN/SS-AlN/Cu on glass					
Construction type	Evacuated double glass tube					
Heat-conducting metal sheet	U-tube Cu					
Absorber diameter	47mm					
Thermal insulation thickness	Average 20mm					
Insulation material	Polyurethane					
Sealing material	Silicon rubber					
Length of tubes	2.1m		1.8m		1.6m	
Type name	HUJI 16/2.1	HUJI 12/2.1	HUJI 16/1.8	HUJI 12/1.8	HUJI 16/1.6	HUJI 12/1.6
Dimension (mm xmm xmm)	2290x1516x134	2290x1164x134	1990x1516x134	1990x1164x134	1790x1516x134	1790x1164x134
Weight (Kg)	55.5	68.2	61.75	50	56.8	41.5
Number of tubes	16	12	16	12	16	12
Gross area	3,472	3,017	2,316	2,713	2,666	2,084
Aperture area	1.328	1.133	1.336	1.003	1.764	1.510
Absorber area	1.522	1.296	0.972	1.146	0.860	1.142