Basic contact information

Company: Zhejiang Sidite New Energy Co., Ltd

E-mail: info@sidite.com

Website: www.sidite-solar.com

Mobile Phone: 0086-18868305896

If you are interested in our products, please contact us!

24mm Condenser Heat Pipe Solar Collector(SC-H24) This product is basically similar to the SC-HP(SC-H), the difference between them is the heat pipe(condenser). SC-HP(SC-H), the condenser is 14mm, SC-H24, the condenser is 24mm.

Other characteristics and information please see below.



### Characteristic:

1, twin-glass vacuum tubes: reliable, efficient, high temperature resistant, anti-freezing.

2, there is no water in the vacuum tube, the system will still work even the tube broken.

3,red copper heat pipe, one-way transferring, fast heat transfer, less heat loss, low temperature resistance, it can be used in- $35^{\circ}$ C.

4, aluminum alloy manifold and bracket, corrosion resistance, easy to install. It is suitable for flat and sloping roof.

5, high temperature resistant rock wool/ glass wool, high density, good thermal insulation properties.

6, high quality copper manifold, its testing pressure is 1MPa.

7, Solar Keymark certification approved.

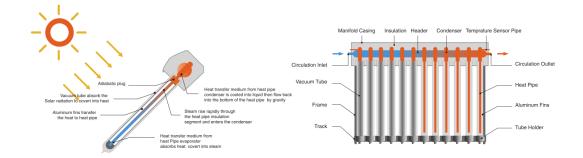
8,Eco and economical, improves the environment and save your fuel cost.

9,condenser 24\*70mm, large heat exchanger area, higher heat transfer power.

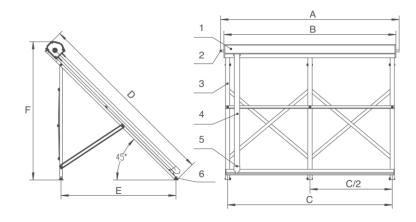


### **Working Principle:**

The vacuum tubes absorb solar radiation and transfer into heat, pass to the fin by the tube wall, and then transfer to the heat pipe by the fin, after heat pipe absorbs heat, heat pipe end(evaporation section) vaporization, transfer to condenser, then circulation because of gravity, heating the water(medium) in the manifold.



# Structure Drawing :



1, Manifold 2, Connector 3, Frame 4, All glass vacuum tube 5, Tube holder

### 6, Anti-wind stand

# **Technical Information:**

Model	SC-H24-10	SC-H24-15	SC-H24-18	SC-H24-20	SC-H24-24	SC-H24-25	SC-H24-30
Tube Quantity (pcs)	10	15	18	20	24	25	30
Vacuum Tube Diameter/Length (mm)	Φ58 / 1800						
Vacuum Tube Material	High Borosilicate Glass 3.3						
Heat Pipe (mm)	Φ24 / 1700						
Insulation Material/Thickness (mm)	Rock Wool / 55						
Rated Pressure (mpa)	0.6						
Aperture Area (m°)	1	1.5	1.8	2	2.4	2.5	3
Gross Area (m²)	1.6	2.21	2.81	3.12	3.72	3.87	4.8
Power (w) 1000w/m <sup>2</sup>	744	1044	1256	1398	1681	1748	2098
Net Weight (kg)	40.25	52.75	61.75	66.75	81.00	85.35	100.70
A (mm)	895	1270	1495	1645	1945	2020	2395
B (mm)	800	1175	1400	1550	1850	1925	2300
C (mm)	725	1100	1325	1475	1775	1850	2225
C/2 (mm)					887.5	925	1112.5
D (mm)	2010	2010	2010	2010	2010	2010	2010
E (mm)	1240	1240	1240	1240	1240	1240	1240
F (mm)	1505	1505	1505	1505	1505	1505	1505

# **Other Pictures:**

