

HEAT PIPE COLLECTOR

Siema collector is a pressurized evacuated tube heat pipe solar collector that converts energy from the sun into usable heat. This energy can be used for domestic and commercial, hot water heating, central heating, pool heating, and air conditioning.

BRIEF SPECIFICATION:

- The manifold is an insulated box containing the header pipe which is made of copper.
- The outer insulation part is made of painted aluminum alloy.
- Insulation: polyurethane and aluminum silicate, the thickness of insulation is 35 mm.
- Glass vacuum tubes: QB-AL-N/AL, 1800-58
- Heat Pipe: Pure copper (Tu1 Cu \geq 99.97) to avoid any chemical reaction may take place during operation.
- Frame: is made of painted aluminum or galvanized steel.

MANIFOLD :

- The copper inner part of the manifold has a dry connection part (socket) into which the heat pipe is plugged.
- Copper vacuum pipe that transfers the heat from within the ET up to the manifold.
- The span of life may exceed 15 years.
- The manifold pressurized, it can stand a pressure of 8 bars



Type	Evacuated Tube Heat Pipe
Pressure	Pressurized
Method of Heating	Indirect, Close lope
Method of Connection	Split
Product v Model	PVM-HP
No. of Tubes	30 - 24 - 20 - 18 - 15, and as requested

Model	No. of tubes	Absorbing area (m ²)	Aperture area (m ²)	Weight (kg)	Dimentions (mm)		
					Width	Depth	Hight
PVM-HP 15	15	2.09	1.4	40	1350	1620	1100
PVM-HP 20	20	2.76	1.88	60	1750	1620	1100
PVM-HP 25	25	3.31	2.26	80	2070	1620	1100
PVM-HP 30	30	4.14	2.82	100	2550	1620	1100
Vacum tube size			Ø58 x 1800		Specifications are subject to change without prior notice.		
Maximum working pressure			6 bar				

Note: thickness of the stainless steel of the inner tank may be changed upon request.

- Maintains high performance.
- Provides high temperature.
- Stands high pressure.
- Has no water in the tubes, so no water loss if broken.
- Easy to install.
- Needs almost no maintenance.
- Can stand below freezing temperature.

