



## **U-pipe collector:**

### **Working Principle:**

The U type series solar collector are always connected with existing heating supply device, The selective coating on the inner cover of the evacuated tube converts solar energy into heat energy and transfers heat to metal U tube by an aluminum fin. The liquid (usually a glycol water antifreeze mixture) in the metal U tube is heated, and conducts the heat energy to the water inside the storage tank through plate exchanger or internal spiral coils.

### **Feature:**

1. 360° absorber (CPC reflector)
2. high energy yield
3. high price/performance ratio
4. easier and faster modular installation
5. long lifetime and stable service.

### **CPO reflector:**

Maximum performance at minimum dimensions. Absorber is bigger than gross surface area. Three dimensionally 360° shaped absorbers for the greatest possible energy collecting surface. utilized up to most of the diffuse and direct radiation from morning to evening.

360° absorber tube utilizes solar energy the year round in the most efficient way and provide the users with free energy even in the bad weather. Compared with the other collectors, the absorbers, thanks to 360° technology. absorbs direct and diffuse radiation in a much greater mass. In concert with vacuum tube insulation, heretofore unknown rates of efficiency have been achieved with our 360° absorber tubes. Even at sub-zero temperatures this construction prevents heat loss.

## Specification:

models	Vacuum tuber	U-pipe Ø (mm)	Capacity liter/Day/60c °	Effective collector area M <sup>2</sup>	Size (mm)			
					A	B	C	D
SU-10	Ø58*1800*12Pc	Ø8	100	1.55	1070	1970	1005	120
SU- 15	Ø58*1800*15Pc	Ø8	150	1.95	1295	1970	1230	120
SU - 20	Ø58*1800*20Pc	Ø8	200	2.60	1670	1970	1605	120



