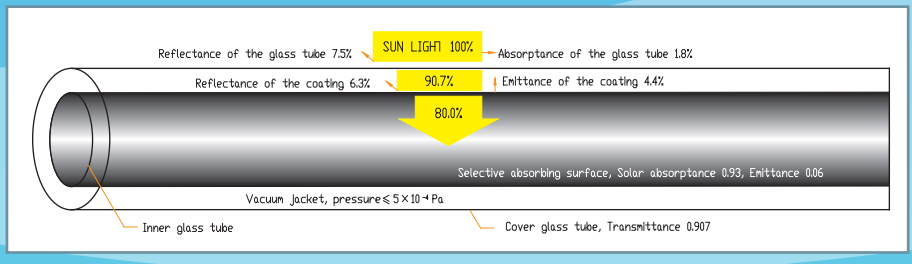
SFVA Model: All-glass Evacuated Solar Collector Tube

1st SUNFLOWER RENEWABLE ENERGY

Operation principle:

Apply for selective absorbing coating material of normal all-glass vacuum tube to collect solar energy.

Item No.	Specification	
	Diameter of solar tube	Length of solar tube
SFVA4715	Ø47mm	1.5M
SFVA5818	Ø58mm	1.8M



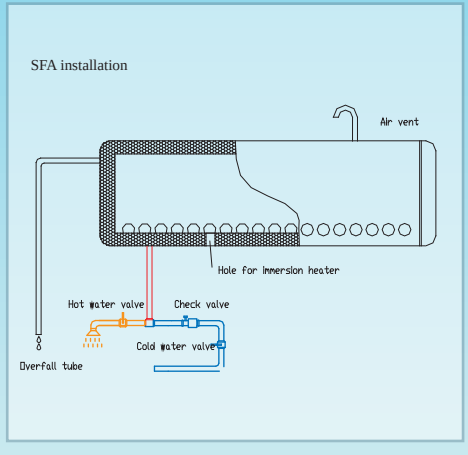
Features:

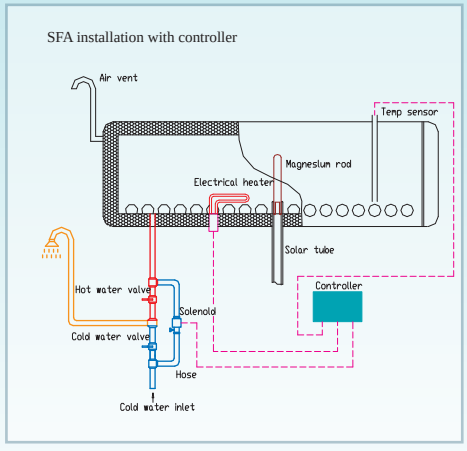
1. Apply for two layers of 3.3 high boron silicon glass tube.
2. The two layers glass tube, with the same axis vacuum zed between them, can reach 5×10-2Pa.
3. Coated with AL\N\AL selective absorbing coating material.
4. High absorbing efficiency: The vacuum magnetic-control sputtering selective absorptive coating on the heat-collecting plates has a high absorption. Coefficient is more than 93%, and the emission coefficient is around 6%.
5. Long life: The life span can reach 15 years.
6. High practicability: Able to endure impact of hail less than 25mm in diameter, with high heat efficiency throughout the year.

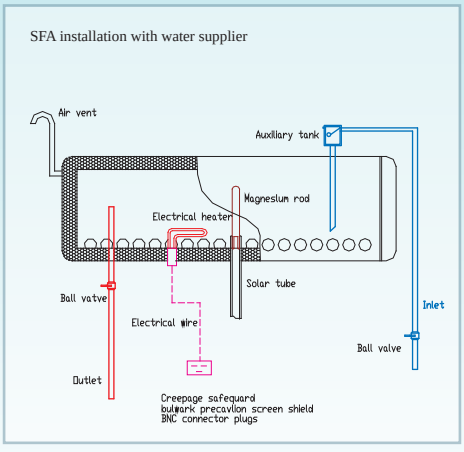
Notice:

1. If you want to buy the samples, the quantity isn't limited by the minimum order quantity and it can be decided by the actual need of the customers.
2. We offer the spare tubes for samples and orders for free.
3. We can make laser brand on tubes according to customers' special request.
4. The information above is the simple description of our products. If you are interested in our products, please contact us and we'll send more detailed brochures of our products to you by e-mail.

Length	1500mm	1800mm
Outer tube diameter	47mm	58mm
Inner tube diameter	37mm	47mm
Weight	1.3kg	2.2kg
Glass thickness	1.6mm	1.6mm
Material	Borosilicate Glass 3.3	Borosilicate Glass 3.3
Absorptive coating	Graded A1/N/A1	Graded A1/N/A1
Vacuum degree	P<5*10 -3 Pa	P<5*10 -3 Pa
Thermal expansion	3.3*10 -6 /°C	3.3*10 -6 /°C
Insolation Temperature	>200°C	>200°C
Absorptance	>93%	>93%
Emittance	<8%	<8%
Heat loss	<0.8W/(m2°C)	<0.8W/(m2°C)
Maximum strength	0.8Mpa	0.8Mpa
Resist cold	-35 °C	-35 °C
Resist hailstone	Ø 25mm	Ø 25mm
Resist wind	30m/s	30m/s
Start-up temperature	<=25°C	<=25°C







Http:// www.sunflower-solar.com E-mail: info@sunflower-solar.com