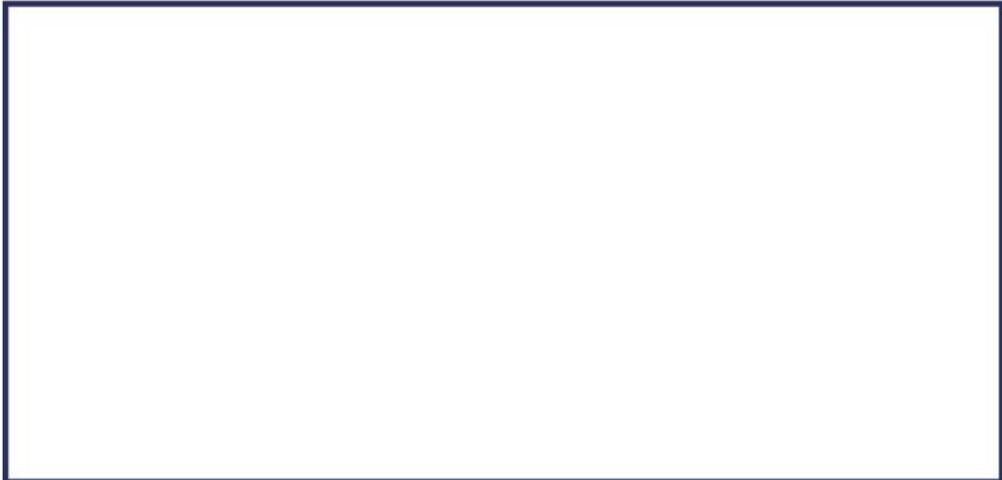


# YOUR BEST PARTNER IN YOUR LIFE







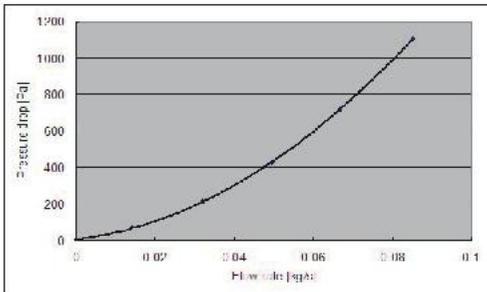
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# SPA/SPB

## Heat Pipe Tube Solar Collector

Collector Performance Data(SP)	0.714
Optimal flow rate	0.1L/min/tube-0.026G/min/tube
Max. Test pressure	9bar
Outer copper tube diameter	22mm
Inner copper tube diameter	20mm
Insulation	140kg/m <sup>3</sup> mineral wood
Optimal installation angle	30-70°vertical, 0° horizontal

Pressure drop

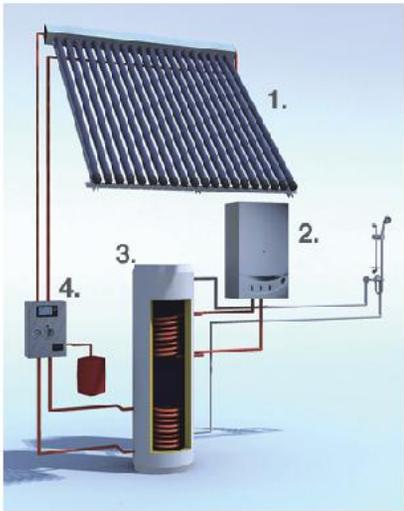


SPB vacuum tube with heat pipe and aluminum fin



# SPA/SPB

## Heat Pipe Tube Solar Collector



## Heat Pipe Tube Solar Collector

Model	SPA-C	SPA	SPB
Sloping roof			
Flat roof			
Tube quantity	8/10/12/15/18/20/22/24/25/30	8/10/12/15/18/20/22/24/25/30	8/10/12/15/18/20/22/24/25/30
Manifold casing material	White color steel	Stainless steel(S/s) 304 or Aluminum alloy(A/a)	Aluminum alloy
Manifold size	130*140(mm)	S/S:130*140 or Aa:100*130	150*170mm
Aluminium fin	4 short separated pieces	4 short separated pieces	single long piece
Vacuum tube	One target	Three targets	Three targets
Tube cover	Screw type	Screw type	Open type
Reflector	Excluded	Excluded	CPC
Frame material	Zinc-coated steel	Stainless steel or Aluminum alloy	Thickened and dilated Aluminum alloy material

# TANK



# TANK

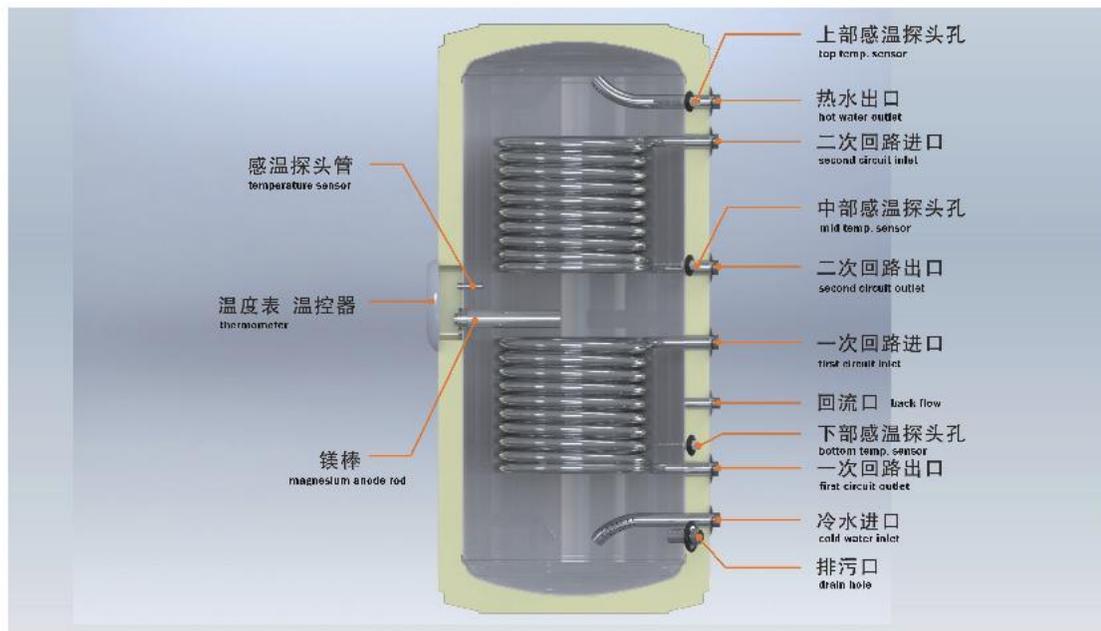


# SP2 -(220~500)



## ● Product features

- Outer tank use pre-painted color steel sheet which has strong ability of anti-UV.
- Inner tank is SUS 304 2B food grade stainless steel, and automatic arc welding process provides firm welding to ensure the material quality without changing. With magnesium anode into the tank, the water quality will be evolved so that makes a longer lifetime.
- Water tank welding process using a special anti-corrosion treatment to prevent chloride corrosion, and solve current pitting corrosion defects cause by inner enamel porcelain powder drop due to thermal expansion and contraction.
- Strong withstand ability of high pressure which can against 0.8Mpa pressure
- Insulation adopts high quality imported polyurethane foam which is safe and environmental protection. Thickness is 50mm, high pressure seamless and Omnibearing foam insulation to the inner tank to ensure a least heat loss.
- The cold water feed line network shunt structure could avoid mixture of cold & hot water, achieve the purpose of largest hot water yield.
- It is intelligent design software to the heat exchanger area and the water tank to achieve the best match, more energy-efficient.
- This product is suit for solar water boiler or hanging type hot water system. If in case can't satisfy the heating demand, use electric heater to supply 24-house use hot water throughout the year.
- This product is with CE, TUV, WATER-MARK, SOLAR KEYMART, CCC authentication certified, offering you an wonderful and green-world livings.

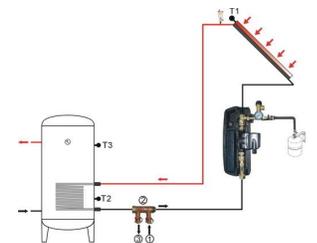


► **Product technical parameter**

	<b>BD2-200</b>	<b>BD2-300</b>	<b>BD2-400</b>	<b>BD2-500</b>
Rated capacity(L)	200	300	400	
Rated pressure(Mpa)	0.8	0.8	0.8	
Max working temperature(°C)	93	93	93	
Material of innertank	SUS304-2B	SUS304-2B	SUS304-2B	SUS304-2B
Material of outertank	Color steel plate	Color steel plate	Color steel plate	Color steel plate
Matching heat collecting area ( m²)	2.8	4.2	5.6	
Matching electrical heater power(KW)	2	3	3	
Heat exchanger area ( m²)	Upper coil	0.88	1.1	1.25
	Lower coil	0.88	2.05	2.05
Rated pressure of coil heat exchanger (Mpa)	0.8	0.8	0.8	
Material of coil heat exchanger	SUS304-2B	SUS304-2B	SUS304-2B	SUS304-2B
Capacity of heat exchanger (L)	Upper coil	3.8	4.8	6.1
	Lower coil	3.8	9.1	9.8
Max. Hydraulic flow of coil heat exchanger ( m³/h)	3	3	3	
Optimum heat exchange temperature(°C)	80	80	80	
Equivalent power of heat exchanger (KW)	Upper coil	28.5	31.5	33.8
	Lower coil	28.5	52.7	52.7
Heating time (min) and continuously heat exchange flow(L/H) on 35°C water (on the condition of heat exchanger primary loop temperature is 80°C )	Upper coil	17/688	25/705	34/705
	Lower coil	17/688	14/1273	18/1273
Pressure loss of coil heat exchanger (MPa)	Upper coil	0.0115	0.0115	0.0115
	Lower coil	0.0190	0.0190	0.0190
Heat loss of water tank (kWh/24h)	2.1	2.7	2.8	0.0216
Net weight(kg)	58	77.5	104	
Gross weight(kg)	67	92.3	121.3	
A	580	580	730	
B	1265	1835	1555	
C	1105	1680	1345	
D	1020	1570	1235	
E	750	1210	965	
F	590	1035	790	
G	460	905	660	
H	320	320	340	
I	210	210	230	
J	175	175	195	
Packing dimension mm(L*W*H)	765*765*1495	765*765*2035	865*865*1755	865*865*2075



## ESTACIÓN DE BOMBEO SP106



### Descripción del producto

#### Estación de trabajo solar

Diseño propio de la estación de trabajo del calentador de agua solar / estación de bombeo (SP106) con pantalla LCD teclado táctil.

#### Funciones principales

01. Visualización de la hora
02. Circulación de diferencia de temperatura
03. Protección contra sobrecalentamiento del tanque de almacenamiento
04. Parada emergente de sobrecalentamiento del sistema
05. Protección contra heladas de tuberías y colectores
06. Tres períodos de tiempo ajustables en la circulación de la tubería.
07. Tres períodos de tiempo ajustables en calefacción auxiliar
08. Tres niveles de velocidad en la bomba de circulación
09. Mostrar caudal (solo en modelos con caudalímetro)
10. Visualización de Presión del sistema.

#### PARTES INCLUIDAS:

- 1 Bomba de recirculación para agua caliente.
- 1 Vaso de expansión de 8 litros.
- 1 Control de temperatura con display.
- 2 Sonda de temperatura para colector y sonda de temperatura para tanque.
- 1 Válvula de seguridad de presión
- 1 Manómetro .

