

Product
Catalog

[Http://www.xiankesolar.com](http://www.xiankesolar.com)



HAINING XIANKE SOLAR ENERGY TECHNOLOGY CO.,LTD.

ADD:NO.58 , YUANHUA INDUSTRIAL ZONE,HAINING,ZHEJIANG,CHINA

TEL:0086-573-87817298 FAX:0086-573-87872882

E-mail: info@xiankesolar.com





Green energy shared by the whole world
WELCOME TO XIANKE!

CONTENT

01	Introduction
02	Certificate
03-04	Technology Introduction of Vacuum Tubes
05-28	Products Introduction
29-30	Introduction of the accessories
31-32	Worldwide

GO >



Introduction

Haining Xianke Solar Energy Technology CO.,LTD,which was established in 2000,is a leading manufacturer of solar water heater.

With an annual capacity of 100,000 sets, our products have been sold all over the world, especially to Italy, Spain,Holand,England, France,Mexico,Panama, Jamaica, Syria,Hungary, South Korea and so on. CE,ISO9001:2000,CCC,SGS,SOLAR KEYMARK,SRCC were passed.Our target is to provide comfortable products to every house.



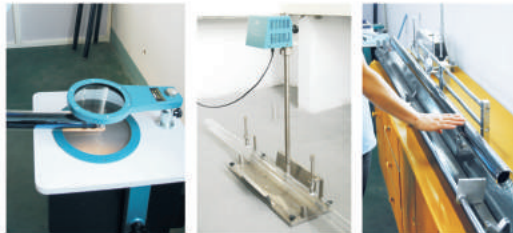
The complete Industry chain



Honors



Vacuum Tube



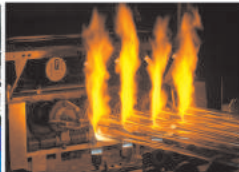
Using Oxydop-Aluminex to test absorptivity and consistency, optimize tube absorption coating performance

Impact resistor testing

Tube structure design assembly



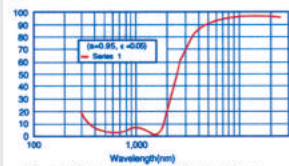
Glass Tube Production Line



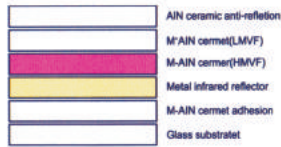
Vacuum Heat-Collecting Tube Production Line



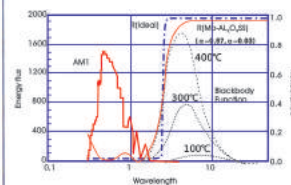
Oxydop-Aluminex



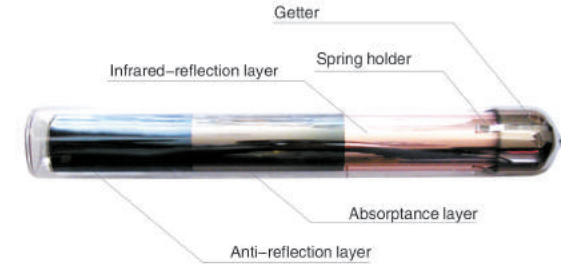
Advanced Solar Spectrum Reflective Curve for Selective Absorption Film coating



Typical Structure for Metal-Ain Ceramics Selective Absorption Film Coating



PRODUCTS Introduction



Data sheet of vacuum tube

1. How is High Borosilicate Glass 3.3?

The standards

Physical & Chemical Performance

Expansion Coefficient:	$(32.5 \pm 0.5) \times 10^{-7}/^{\circ}\text{C}$
Density(g/CM ³):	2.23 ± 0.02
Water-resistance:	First Class
Acid-resistance:	First Class
Alkali-resistance:	Second Class
Softening Point:	820°C
Temperature of Divitrification:	695°C-1180°C

Technical Date

Melting Temperature(°C):	1680
Forming Temperature(°C):	1260
Softening Point(°C):	830
Annealing Point(°C):	560
Hardness:	7

2. How is three target tube and single target tube?

items	name	three target tube	single target tube
structure		all-glass double-tube co-axial structure	all-glass double-tube co-axial structure
glass material		high borosilicate 3.3 glass	high borosilicate 3.3 glass
absorptive	structure	Cu/SS-ALN(H)/SS-ALN(L)/ALN	AL/AL-ALN(H)/AL-ALN(L)/ALN
coating property	sediment method	3 target magnetron sputtering plating	Single target magnetron sputtering plating
	specific absorption	as=0.93 ~ 0.96(AM1.5)	As=0.91 ~ 0.93(AM1.5)
	emission ratio	$\epsilon_s = 0.04 \sim 0.06(80^{\circ}\text{C} \pm 5^{\circ}\text{C})$	$\epsilon_s = 0.05 \sim 0.075(80^{\circ}\text{C} \pm 5^{\circ}\text{C})$
vacuum tightness		$P \leq 5.0 \times 10^{-3}\text{Pa}$	$P \leq 5.0 \times 10^{-3}\text{Pa}$
idle sunning property parameters		$Y = 260 \sim 300\text{m}^{\circ}\text{C}/\text{KW}$	$Y = 250 \sim 280\text{m}^{\circ}\text{C}/\text{KW}$
Hailstone bearing ability		Hailstone with a diameter of $\Phi 25\text{mm}$	Hailstone with a diameter of $\Phi 25\text{mm}$
solar irradiation for obtaining apreset water temperature	$H \leq 4.7\text{MJ}/\text{M}^2(\Phi 58)$	$H = 3.7 \sim 4.2\text{MJ}/\text{M}^2$	$H = 4.1 \sim 4.4\text{MJ}/\text{M}^2$
	$H \leq 3.7\text{MJ}/\text{M}^2(\Phi 47)$	$H = 2.9 \sim 3.2\text{MJ}/\text{M}^2$	$H = 3.1 \sim 3.4\text{MJ}/\text{M}^2$
average heat loss coefficient		$U_{11} = 0.4 \sim 0.6\text{W}/(\text{M}^2 \cdot ^{\circ}\text{C})$	$U_{11} = 0.6 \sim 0.7\text{W}/(\text{M}^2 \cdot ^{\circ}\text{C})$

Non-pressure Solar water heater(1)

Material

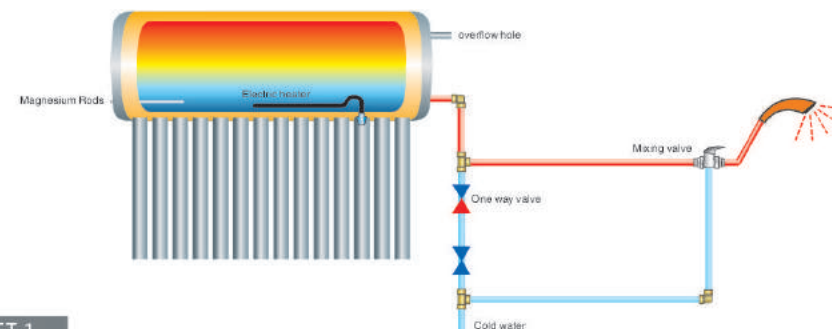
1. inner tank : SUS304/2B 0.4mm/ 0.5mm/0.6mm
2. outer tank : zinc steel plate 0.4mm / PVDF / SUS304 / SUS430
3. insulation layer : PU
4. vacuum tube : QB-AL-NAL-47*1500/58*1800
5. frame: zinc steel painted plate 1.5mm/ aluminium sheet 1.2mm/SUS304 1.2mm



PERFORMANCE:

1. the coating inside of vacuum tube absorb the sun energy
2. the water inside of the vacuum tube
3. the vacuum tube insert into the non pressure tank ,so the hot water and cold water could recycle by themselves because of the different density .
4. non pressure tank have PU layer to keep the water hot and storage the water
5. direct plug type,using the water head ,supply the hot water into the shower room
6. easy to install and high heat transfer rate over 95%

PRODUCTS Introduction



DATA SHEET 1

Model	Aperture area(M2)	vacuum tube			volume(L)	Packing volume(M3)	Cross wet(KGS)	container loading(set)		
		dia(mm)	length(mm)	qty(pcs)				20GP	40GP	40HQ
XKNP47-1500-15	1.48	47	1500	15	90	0.42	42	64	135	159
XKNP47-1500-18	1.67	47	1500	18	108	0.48	50	56	118	139
XKNP47-1500-20	1.85	47	1500	20	120	0.52	56	52	109	128
XKNP47-1500-24	2.22	47	1500	24	144	0.61	68	42	91	116
XKNP47-1500-30	2.94	47	1500	30	180	0.76	84	35	75	88

Remark

1. dia of inner tank/ outer tank: 310mm/410mm
2. Pu layer: 50mm

3. inlet/outlet/air vent: 1/2 inch or 3/4 inch
4. reflector and electric heater and controller for option : stainless steel strips / aluminium plate

DATA SHEET 2

Model	Aperture area(M2)	vacuum tube			volume(L)	Packing volume(M3)	Cross wet(KGS)	container loading(set)		
		dia(mm)	length(mm)	qty(pcs)				20GP	40GP	40HQ
XKNP58-1800-15	2.1	58	1800	15	150	0.58	56	43	93	117
XKNP58-1800-18	2.51	58	1800	18	180	0.68	67	36	79	100
XKNP58-1800-20	2.92	58	1800	20	200	0.73	75	34	73	93
XKNP58-1800-24	3.33	58	1800	24	240	0.88	89	28	61	77
XKNP58-1800-30	4.14	58	1800	30	300	1.06	111	23	50	64
XKNP58-1800-34	4.76	58	1800	34	340	1.22	126	20	44	55
XKNP58-1800-36	5.04	58	1800	36	360	1.31	130	19	41	51

Remark

1. dia of inner tank/ outer tank: 360mm/460mm
2. Pu layer: 50mm

3. inlet/outlet/air vent: 1/2 inch or 3/4 inch
4. reflector and electric heater and controller for option

Non-pressure Solar water heater (2)



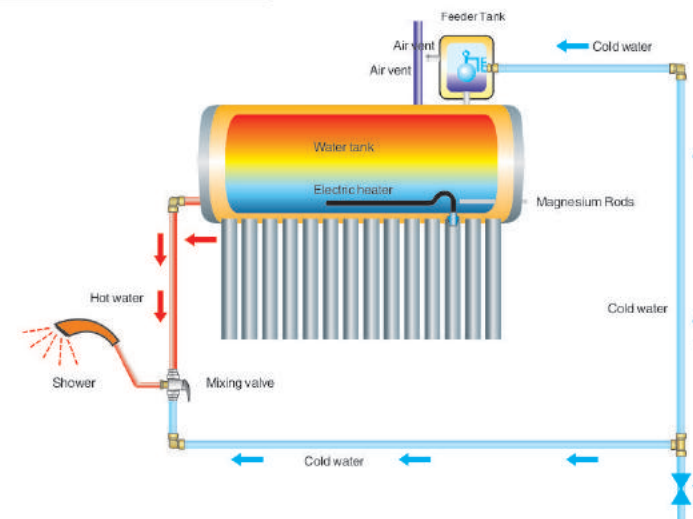
Performance:

1. the coating inside of vacuum tube absorb the sun energy
2. the water inside of the vacuum tube
3. the vacuum tube insert into the non pressure tank ,so the hot water and cold water could recycle by themselves because of the different density .
4. non pressure tank have PU layer to keep the water hot and storage the water
5. direct plug type,using the water head ,supply the hot water into the shower room
6. easy to install and high heat transfer rate over 95%
7. with feeder tank , could load the water automatically and reduce the water pressure
8. widely used in Middle east ,Mexico and the water supply system with big storage tank

Material

1. inner tank : SUS304/2B 0.4mm/ 0.5mm/0.6mm
2. outer tank : zinc steel plate 0.4mm / PVDF / SUS304/SUS430
3. insulation layer : PU
4. vacuum tube : QB-AL-NAL- 58*1800
5. frame: zinc steel painted plate 1.5mm/ aluminium sheet 1.2mm/SUS304 1.2mm

PRODUCTS Introduction



DATA SHEET

Model	Aperture area (M2)	vacuum tube			volume(L)	Packing volume(M3)	Cross wet(KGS)	container loading(set)		
		dia.(mm)	length(mm)	qty(pcs)				20GP	40GP	40HQ
XKNP58-1800-15	2.1	58	1800	15	150	0.61	56	42	91	116
XKNP58-1800-18	2.51	58	1800	18	180	0.71	67	25	77	98
XKNP58-1800-20	2.92	58	1800	20	200	0.76	75	33	71	91
XKNP58-1800-24	3.33	58	1800	24	246	0.91	89	27	59	75
XKNP58-1800-30	4.14	58	1800	30	300	1.06	111	22	48	62
XKNP58-1800-34	4.76	58	1800	34	340	1.25	126	19	42	53
XKNP58-1800-36	5.04	58	1800	36	360	1.34	130	18	39	49

Remark

1. dia of inner tank/ outer tank: 360mm/460mm
2. Pu layer: 50mm
3. inlet/outlet/air vent: 1/2 inch or 3/4 inch

4. feeder tank : 5L/8L/10L
5. reflector and electric heater for option

Non-pressure Solar water heater (3)



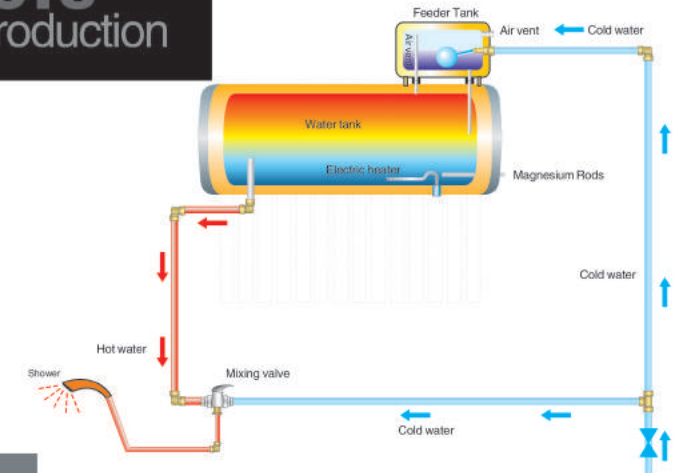
Performance:

1. the coating inside of vacuum tube absorb the sun energy
2. the water inside of the vacuum tube
3. the vacuum tube insert into the non pressure tank ,so the hot water and cold water could circulate by themselves because of the different density .
4. non pressure tank have PU layer to keep the water hot and storage the water
- 5.direct open loop type,through the water head ,supply the hot water into the shower room
- 6.easy to install and high heat transfer rate over 95%
- 7.with feeder tank , could load the water automatically and reduce the water pressure
8. widely used in Middle east ,Mexico and the water supply system with big storage tank

Material

- 1.inner tank : SUS304/2B 0.4mm/ 0.5mm/0.6mm
- 2.outer tank : zinc steel plate 0.4mm / PVDF / SUS304/SUS430
- 3.insulation layer : PU
- 4.vacuum tube :QB-AL-NAL-47*1800/58*1800
- 5.frame: zinc steel painted plate 1.5mm/ aluminium sheet 1.2mm/SUS304 1.2mm

PRODUCTS Introduction



DATA SHEET1

Model	Aperture area(M2)	vacuum tube			volume(L)	Packing volume(M3)	Gross wet(KGS)	container loading(set)		
		dia(mm)	length(mm)	qty(pcs)				20GP	40GP	40HQ
XKNP47-1800-15	1.77	47	1800	15	112	0.45	62	60	126	148
XKNP47-1800-18	2	47	1800	18	135	0.64	70	42	89	104
XKNP47-1800-20	2.21	47	1800	20	150	0.67	77	40	85	100
XKNP47-1800-24	2.66	47	1800	24	180	0.76	90	35	75	88
XKNP47-1800-30	3.52	47	1800	30	225	1.14	107	23	50	58

Remark

- 1.dia of inner tank/ outer tank: 310mm/410mm
- 2.Pu layer: 50mm
- 3.inlet/outlet/air vent: 1/2 inch or 3/4 inch

- 4.feeder tank :20L/50L
- 5.reflector and electric heater for option

DATA SHEET2

Model	Aperture area(M2)	vacuum tube			volume(L)	Packing volume(M3)	Gross wet(KGS)	container loading(set)		
		dia(mm)	length(mm)	qty(pcs)				20GP	40GP	40HQ
XKNP58-1800-15	2.1	58	1800	15	135	0.74	73	34	73	93
XKNP58-1800-18	2.51	58	1800	18	162	0.84	84	31	67	79
XKNP58-1800-20	2.92	58	1800	20	180	0.89	93	28	61	77
XKNP58-1800-24	3.33	58	1800	24	216	1.04	106	23	50	64
XKNP58-1800-30	4.14	58	1800	30	270	1.19	128	20	44	55

Remark

- 1.dia of inner tank/ outer tank: 360mm/460mm
- 2.PU layer: 50mm
- 3.inlet/outlet/air vent: 1/2 inch or 3/4 inch

- 4.feeder tank : 20L/50L
- 5.reflector and electric heater for option

Pre-heating Solar Water Heater



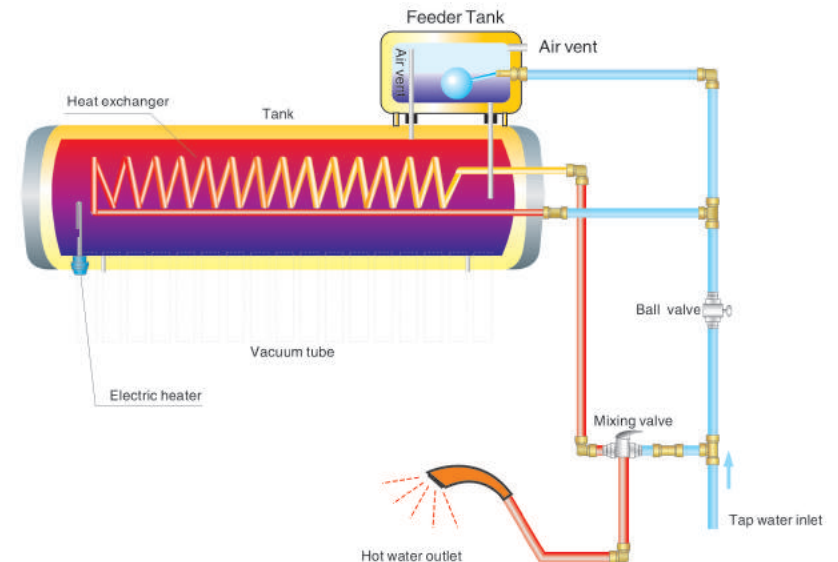
Performance:

- 1.the copper coil is inside of non pressure tank ,the copper coil could bear the pressure by 0.7mpa during the operation.
- 2.it is with feeder tank and could load the water automatically
3. vacuum tube heat the water inside tank ,then the hot water in tank could heat the water in the copper coil.
4. it is a pre-heating and heat exchanging process.
5. only if the water in tank is hot , you could get more hot water and it exceeds the limit of the capacity of tank.
6. clean hot water
7. you could use the hot water inside copper coils and also use the hot water in the tank .

Material

1. inner tank : SUS304/2B 0.4mm/ 0.5mm/0.6mm
2. outer tank : zinc steel plate 0.4mm / PVDF / SUS304/SUS430
3. insulation layer : PU
4. copper coil : dia 12mm, thickness 1mm.
5. vacuum tube : QB-AL-NAL-58*2000/58*2100
6. frame: zinc steel painted plate 1.5mm/ aluminium sheet 1.2mm/SUS304 1.2mm

PRODUCTS Introduction



DATA SHEET

Model	Aperture area(M2)	vacuum tube			volume(L)	Packing volume(M3)	Gross wet(KGS)	container loading(set)		
		dia(mm)	length(mm)	qty(pcs)				20GP	40GP	40HQ
XKPH58-2100-15	2.1	58	2100	15	150	0.77	76	35	75	88
XKPH58-2100-20	2.92	58	2100	20	200	0.93	97	27	59	75
XKPH58-2100-24	3.33	58	2100	24	240	1.08	110	23	50	64
XKPH58-2100-30	4.14	58	2100	30	300	1.24	133	19	42	53

Remark

1. dia of inner tank/ outer tank: 360mm/460mm
2. PU layer: 50mm
3. inlet/outlet/air vent: 1/2 inch or 3/4 inch

4. feeder tank : 20L/50L
5. reflector and electric heater for option

Pressure solar water heater with double-tank



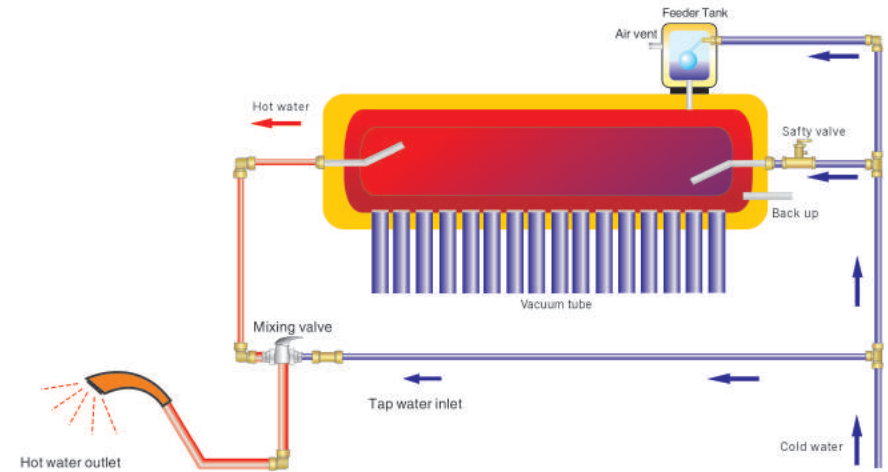
Performance:

- 1.it could bear the water pressure because of inner tank pressurized.
- 2.more hot water you could get , it exceeds the limit of capacity of tank
- 3.double insulation to keep the water hot

Material

- 1.pressure inner tank : SUS304/2B 1.2mm
- 2.non pressure inner tank:SUS304/2B 0.4/0.5 /0.6mm
- 3.outer tank : zinc steel plate 0.4mm / PVDF
- 4.insulation layer : PU
- 5.vacuum tube :QB-AL-NAL-58*1800
- 6.frame: zinc steel painted plate 1.5mm/ aluminium sheet 1.2mm

PRODUCTS Introduction



DATA SHEET

Model	Aperture area(M2)	vacuum tube			volume(L)	Packing volume(M3)	Gross wet(KGS)	container loading(set)		
		dia(mm)	length(mm)	qty(pcs)				20GP	40GP	40HQ
XKDP58-1800-20	2.92	58	1800	20	200	0.82	90	33	69	81
XKDP58-1800-24	3.33	58	1800	24	240	0.99	104	23	50	64
XKDP58-1800-30	4.14	58	1800	30	300	1.19	126	20	44	55

Remark

- 1.dia of pressure inner tank/ non pressure inner tank / outer tank: 250mm/380mm/500mm
- 2.PU layer: 60mm

3. inlet/outlet/air vent: 1/2 inch or 3/4 inch
- 4.reflector and electric heater and controller for option

Integrated and pressure Solar Water Heater

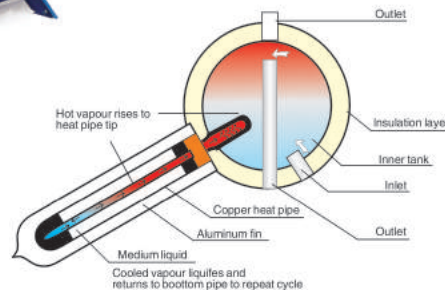


Performance:

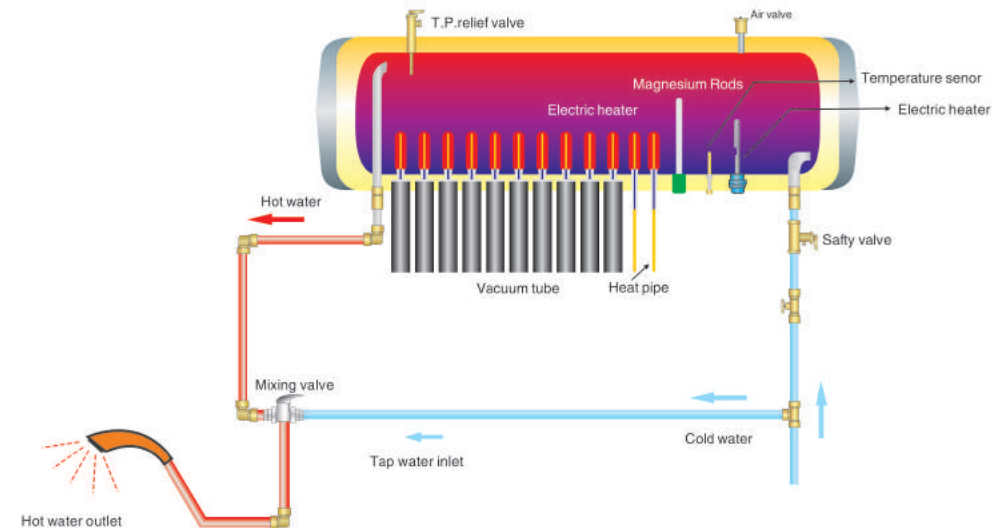
1. there is no water in vacuum tube , the system can work as usual even if there is one tube broken
2. tank can bear the pressure of 0.7Mpa
3. test pressure is 1.0Mpa
4. you still can get hot water on second floor if you install solar water heater on the floor

Material

1. inner tank : SUS304/2B 1.2mm
2. outer tank : zinc steel plate 0.4mm / PVDF
3. insulation layer : PU
4. vacuum tube : QB-CU-AL-NAL-58*1800
5. frame: zinc steel painted plate 1.5mm/ aluminium sheet 1.2mm
6. it is with T/P valve, electric heater and Mg rod.



PRODUCTS Introduction



Parameter Table

Model	Aperture area(M2)	vacuum tube			volume(L)	Packing volume(M3)	Gross wet(KGS)	container loading(set)		
		dia(mm)	length(mm)	qty(pcs)				20GP	40GP	40HQ
XKIP58-1800-15	2.1	58	1800	15	150	0.62	116	42	91	116
XKIP58-1800-20	2.92	58	1800	20	200	0.75	140	34	73	93
XKIP58-1800-24	3.33	58	1800	24	240	0.9	164	28	61	77
XKIP58-1800-30	4.14	58	1800	30	300	1.1	224	26	52	61

Remark

1. dia of inner tank/ outer tank: 370mm/470mm
2. PU layer: 50mm

3. inlet/outlet/air vent: 1/2 inch or 3/4 inch
4. reflector and electric heater and controller for option

Heat pipe solar collector



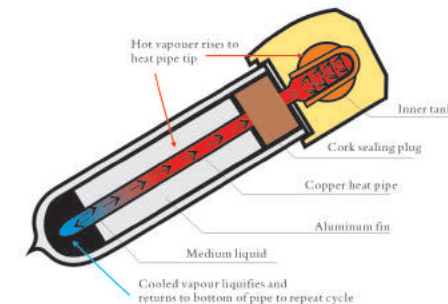
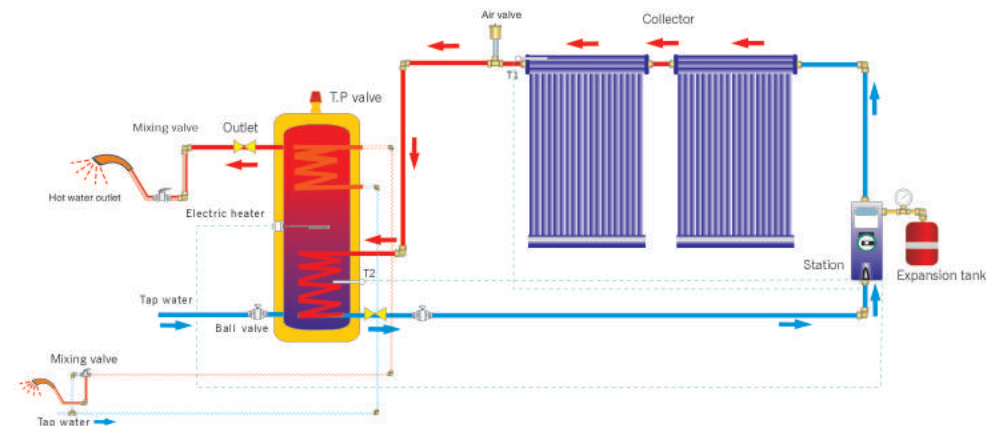
Performance:

1. there is no water in vacuum tube, the system can work as usual even if one tube is broken
2. operation fluid pressure : 0.6Mpa
3. test pressure is 1.0Mpa
4. it is connected with exsited tank in the basement

Material

1. manifold : the material is TU2, 1.0mm in thickness
2. header box : aluminium
3. insulation layer : Rockwool/PU layer
4. heat pipe : dia 14mm /24mm for condensor , the material is TU1
5. vacuum tube :QB-CU-AL-NAL-58*1800
6. frame: aluminium sheet 1.2mm/1.5mm

PRODUCTS Introduction



DATA SHEET

Model	Aperture area(M2)	vacuum tube			Fluid content(L)	Packing volume(M3)	Gross wet(KGS)	container loading(set)		
		dia(mm)	length(mm)	qty(pcs)				20GP	40GP	40HQ
XKPC58-1800-15	1.421	58	1800	15	0.9	0.23	48.1	117	247	291
XKPC58-1800-20	1.894	58	1800	20	1.2	0.33	64.1	81	172	203
XKPC58-1800-25	2.369	58	1800	25	1.5	0.38	79.5	71	150	176

Remark

1. manifold connector: 22mm
2. Rockwool/PU layer: 50mm
3. test pressure: 1.0Mpa

4. operation fluid pressure: 0.6Mpa
5. stagnation temperature: 219°C
6. frame angle : any angle

Heat pipe solar collector



Performance:

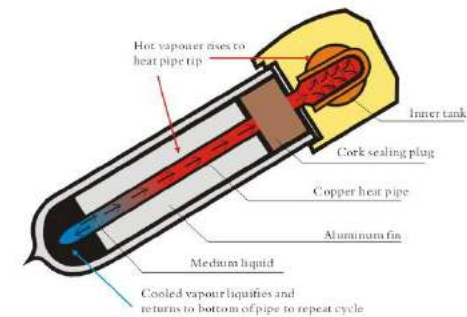
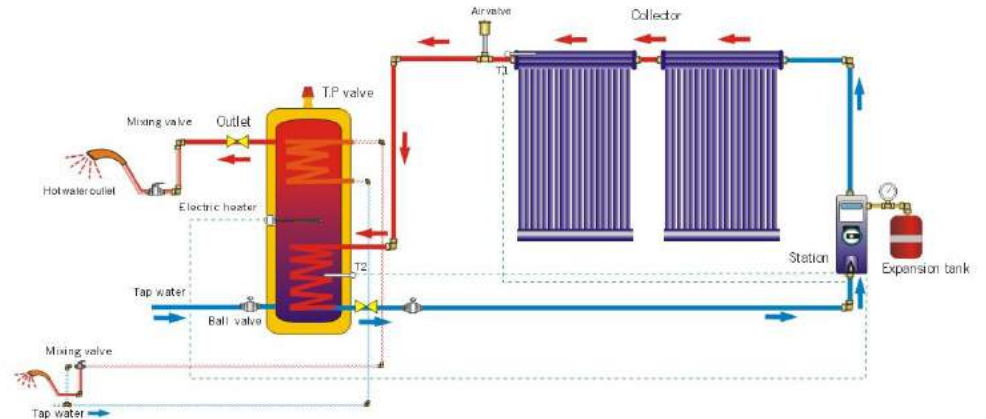
1. there is no water in vacuum tube, the system can work as usual if there is one tube broken
2. operation pressure: 0.7Mpa
3. test pressure is 1.0Mpa
4. it is used with exsited tank in the basement
5. the frame is for flat roof and inclined roof

Material

1. manifold: the material is TU2, 1.0mm in thickness
2. header box: aluminium
3. insulation layer: Rockwool/ PU
4. heat pipe: dia 14mm /24mm for condensor, the material is TU1
5. vacuum tube: QB-CU-AL-NAL-58*1800
6. frame: aluminium sheet 1.2mm/1.5mm



PRODUCTS Introduction



DATA SHEET

Model	Aperture area(M2)	vacuum tube			Fluid content(L)	Packing volume(M3)	Gross wet(KGS)	container loading(set)		
		dia(mm)	length(mm)	qty(pcs)				20GP	40GP	40HQ
XKPC58-1800-15	1.421	58	1800	15	0.9	0.23	48.1	117	247	291
XKPC58-1800-20	1.894	58	1800	20	1.2	0.33	64.1	81	172	203
XKPC58-1800-25	2.369	58	1800	25	1.5	0.38	79.5	71	150	176
XKPC58-1800-30	2.842	58	1800	30	1.8	0.42	96.2	64	135	159

Remark

1. manifold connector: 22mm
2. Rockwool/PU layer: 50mm
3. test pressure: 1.0Mpa
4. operation fluid pressure: 0.7Mpa
5. stagnation temperature: 219°C
6. frame angle: any angle

U-pipe solar collector



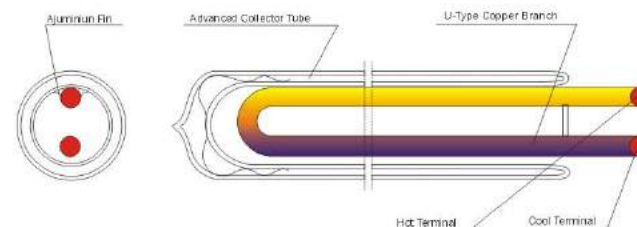
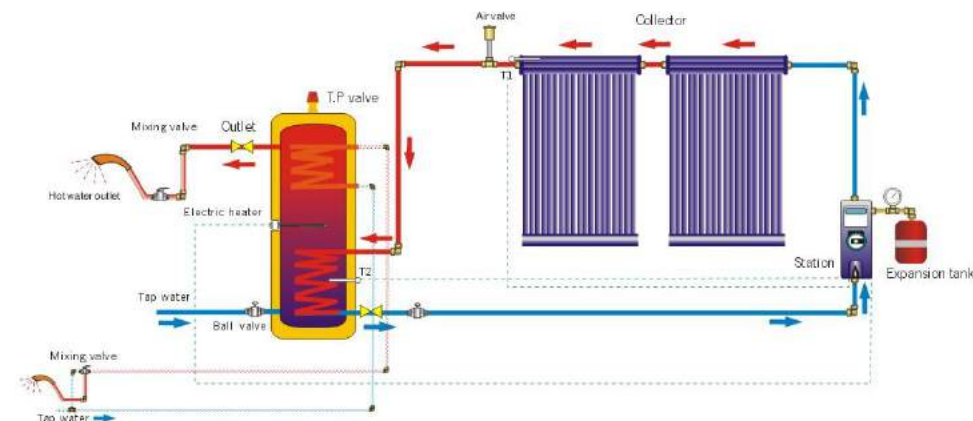
Performance:

1. there is no water in vacuum tube, the system can work as usual if there is one tube broken
2. operation pressure: 0.7Mpa
3. test pressure is 1.0Mpa
4. it is used with exsited tank in the basement
5. the frame is for flat roof and inclined roof
6. U-type heat pipe could heat the water more quickly.

Material

1. manifold: the material is TU2, 1.0mm in thickness
2. header box: aluminium
3. insulation layer: Rockwool/ PU
4. heat pipe: dia 6mm, the material is TU1
5. vacuum tube: QB-CU-AL-NAL-58*1800
6. frame: aluminium sheet 1.2mm/1.5mm

PRODUCTS Introduction



DATA SHEET

Model	Aperture area(M2)	vacuum tube			Fluid content(L)	Packing volume(M3)	Gross wet(KGS)	container loading(set)		
		dia(mm)	length(mm)	qty(pcs)				20GP	40GP	40HQ
XKUP58-1800-15	1.421	58	1800	15	0.9	0.23	48.1	117	247	291
XKUP58-1800-20	1.894	58	1800	20	1.2	0.33	64.1	81	172	203
XKUP58-1800-30	2.842	58	1800	30	1.8	0.42	96.2	64	135	159

Remark

1. manifold connector: 22mm
2. Rockwool/PU layer: 40mm
3. test pressure: 1.0Mpa

4. operation fluid pressure: 0.7Mpa
5. stagnation temperature: 219°C
6. frame angle: any angle

Flat plate solar collector



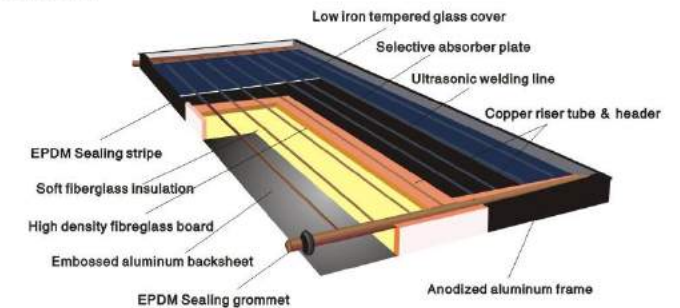
Performance:

- 1.it could heat the water very quick
- 2.operation pressure: 0.6Mpa
- 3.test pressure is 1.0Mpa
- 4.it is combined with tank
5. it could be installed in the balcony of house.
- 6.it is fit for the tall building and apartments.

Material

- 1.header : the material is copper ,22mm in dia, 0.6mm in thickness
2. riser tube: the material is copper ,10mm in dia, 0.45mm in thickness
3. insulation layer: rockwool
4. frame: aluminium alloy

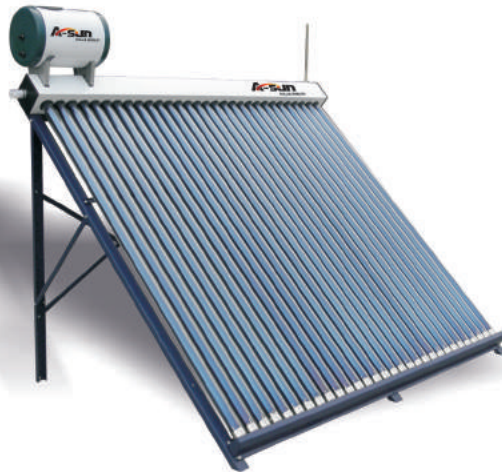
PRODUCTS Introduction



DATA SHEET

Model No. Specification	XKFC-01(BK)	XKFC-01(BL)	XKFC-02(BK)	XKFC-02(BL)
Collector Dimension(L*W*H)	2050*1010*82.5mm	2050*1010*82.5mm	2050*1275*95mm	2050*1275*95mm
Gross Area	2.07m ²	2.07m ²	2.61m ²	2.61m ²
Aperture Area	1.92m ²	1.92m ²	2.42m ²	2.42m ²
Absorber Area	1.87m ²	1.87m ²	2.38m ²	2.38m ²
Net Weight	35KG	35KG	45KG	45KG
Gross Weight	35.5KG	35.5KG	45.5KG	45.5KG
Transparent Cover				
Number of Covers	1pc	1pc	1pc	1pc
Dimension of Opening	2030*990mm	2030*990mm	2030*1255mm	2030*1255mm
Cover Material	Low iron Tempered Textured Glass	Low iron Tempered Textured Glass	Low iron Tempered Textured Glass	Low iron Tempered Textured Glass
Thickness of Cover Glass	3.2mm	3.2mm	4.0mm	4.0mm
Transmittance of Glass	91% ~ 95%	91% ~ 95%	91% ~ 95%	91% ~ 95%
Absorber				
Construction Type	Fin & Tube (Ultrasonic Welding)	Fin & Tube (Ultrasonic Welding)	Fin & Tube (Ultrasonic Welding)	Fin & Tube (Ultrasonic Welding)
Number of Risers tubes	8pc	8pc	11pc	11pc
Dimension L*W	1970*950mm	1970*950mm	1970*1235mm	1970*1235mm
Material of Absorber Fin	Copper	Copper	Copper	Copper
Material of Header & Riser	Copper	Copper	Copper	Copper
Header Dimensions	Φ22 * 50.6 * 1070mm	Φ22 * 50.6 * 1070mm	Φ22 * 50.6 * 1335mm	Φ22 * 50.6 * 1335mm
Riser Dimensions	Φ10 * 50.45 * 1935mm	Φ10 * 50.45 * 1935mm	Φ10 * 50.45 * 1935mm	Φ10 * 50.45 * 1935mm
Coating	Black Chromed	Blue Sputtering from Bluetech	Black Chromed	Blue Sputtering from Bluetech
Thermal Insulation				
Insulation Material	rock wool	rock wool	rock wool	rock wool
Insulation Thickness	Back:50mm	Back:50mm	Back:50mm	Back:50mm
Absorbance	≥0.95	≥0.95	≥0.95	≥0.95
Emitance	5%±2%	5%±2%	5%±2%	5%±2%
Working pressure	0.6Mpa	0.6Mpa	0.6Mpa	0.6Mpa
Casing				
Material of Frame	Aluminum Alloy, 51.3mm	Aluminum Alloy, 51.3mm	Aluminum Alloy, 51.3mm	Aluminum Alloy, 51.3mm
Frame Colour	Bronze/silver/black	Bronze/silver/black	Bronze/silver/black	Bronze/silver/black
Material of Backplane	50.4mm Galvanized sheet	50.4mm Galvanized sheet	50.4mm Galvanized sheet	50.4mm Galvanized sheet
Sealing Gasket	EPDM	EPDM	EPDM	EPDM
Package Dimension (L*W*H)	2070*1060*90mm	2070*1060*90mm	2070*1325*105mm	2070*1325*105mm
Loading Qty (Set/container)	20' 140 40' 284	20' 140 40' 284	20' 98 40' 195	20' 98 40' 195

Large-scale solar collector



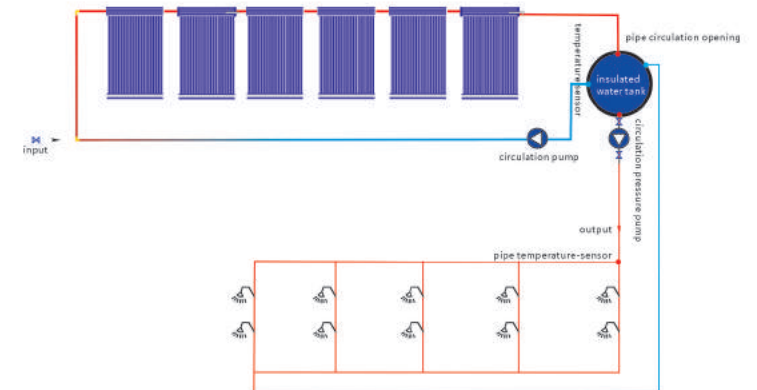
Performance:

- 1.no water inside of tube and it is suitable for middle and low latitudes area.
- 2.it is widely used in hotel, school, swimming pool and house heating.
- 3.high heat transfer rate reaches over 95%
- 4.it is combined with big storage tank

Material

- 1.manifold box : SUS304/2b 0.4mm, zinc steel painted plate 0.4mm ,
- 2.insulation layer: PU layer
- 3.vacuum tube: QB-AL-NAL-47*1500/58 *1800
- 4.frame: aluminium sheet / zinc steel painted plate

PRODUCTS Introduction



DATA SHEET

Model	Aperture area(M2)	Tube installation	vacuum tube			Packing volume(M3)	Gross wet(KGS)	container loading(set)		
			dia(mm)	length(mm)	qty(pcs)			20GP	40GP	40HQ
XKNC58-1800-15	1.421	horizontal	58	1800	15	0.23	48.1	117	247	291
XKNC58-1800-20	1.894	horizontal	58	1800	20	0.33	64.1	81	172	203
XKNC58-1800-25	2.369	horizontal	58	1800	25	0.38	79.5	71	150	176
XKNC58-1800-30	2.842	horizontal	58	1800	30	0.42	96.2	64	135	159
XKNC58-1800-20	3.788	vertical	58	1800	40	0.66	130	40	86	101
XKNC58-1800-25	4.738	vertical	58	1800	50	0.76	150	35	75	88
XKNC58-1800-30	5.684	vertical	58	1800	60	0.84	196	32	67	79

Pressure tank



Performance:

- 1.this pressure tank could keep the water hot during the night .
- 2.it could be installed at the basement or in the house,and the combined solar collector is put on the roof it is a perfect combination for villa and apartment . And integrated with the villas .
- 3.the tank is in the house , you could confirm the temeparature,the water level and others by yourself and it is very convenient
- 4.electric heater for back up , once there is no sun, it could start by itself.

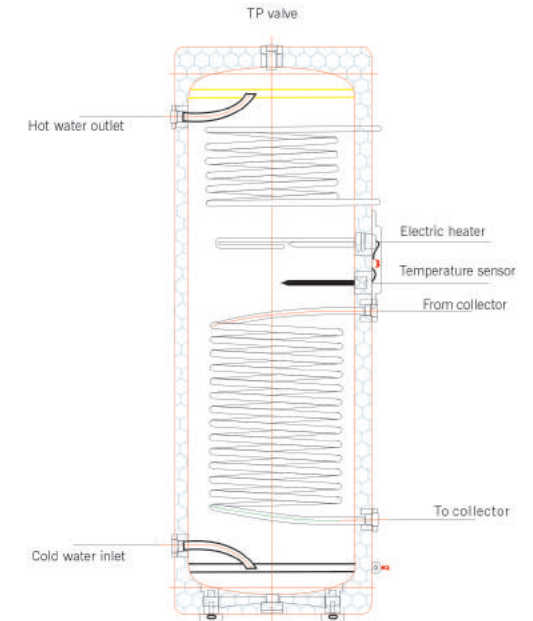
Material

- 1.inner tank :SUS316L/316/304
- 2.outer tank :zinc steel plate, SUS304,PVDF
- 3.insulation layer: PU layer

PRODUCTS Introduction

REMARK

- 1.test pressure :1.0 Mpa
- 2.operation pressure :0.6Mpa
- 3.the accessories :
electric heater for back up (1500w)
Mg rod for softening the water
T/P valve for releasing the pressure
the temperature sensor hole
two copper coils for heat exchanger: One is 20m in the bottom ,the other is 15m in the top.
the size of copper coil: $\Phi 12\text{mm}$,1mm in thickness



DATA SHEET

Model	Tank capacity(L)	inner tank material and size(mm)	insulation layer(mm)	outer tank material and size(mm)
PT-100L(Two coils)	100L	SUS304 1.0/ $\Phi 370$	50	zinc steel 0.5/ $\Phi 470 \times 1060$
PT-150L(Two coils)	150L	SUS304 1.2/ $\Phi 370$	50	zinc steel 0.5/ $\Phi 470 \times 1451$
PT-200L(Two coils)	200L	SUS304 1.5/ $\Phi 370$	50	zinc steel 0.5/ $\Phi 470 \times 1340$
PT-260L(Two coils)	260L	SUS304 1.5/ $\Phi 370$	50	zinc steel 0.5/ $\Phi 470 \times 1450$
PT-300L(Two coils)	300L	SUS304 1.5/ $\Phi 370$	50	zinc steel 0.5/ $\Phi 470 \times 1700$
PT-400L(Two coils)	400L	SUS304 2.0/ $\Phi 370$	50	zinc steel 0.5/ $\Phi 470 \times 1560$
PT-500L(Two coils)	500L	SUS304 2.0/ $\Phi 370$	50	zinc steel 0.5/ $\Phi 470 \times 1890$

Introduction of the accessories

The accessories are very important in the whole solar water heater system.



electric heater 1500w
it could adjust the temperature of heater



safety valve
once the pressure reaches 0.6 mpa, it will release the pressure automatically



heat pipe system
transfer the heat into the manifold



manifold and heat pipe
it is how to connect the heat pipe and manifold



heat silicon grease
for the condenser of heat pipe make it heat quickly



adjust tube holder
easy to install the tube



stainless steel hose and insulation pipes
connect with tank and solar collector



wilo pump
Model: RS15/6
Outpower: 37/22/16w
delivery head: 6.8/5.9/4m



Controller
1. Model: SR868C8
2. Power supply: 100-240v
3. power consumption: 2w



Model: XK-7
It is for non pressure solar water heater.
The function is to load the water automatically, show you the temperature and the water level.

PRODUCTS Introduction



Solar Station

solar station is to connect the solar collector with pressure tank.

It could make the water circulate between solar collector and pressure tank.

And to release the redundant pressure.

Data:

1. Model: XKSS
2. Packing size: 500*390*260mm
3. Outpower of pump: 37/22/16w
4. delivery head for pump: 6.8/5.9/4m
5. safety valve: 0.6Mpa
6. pressure gauge: 1.0Mpa



Model : SP328

Main technical data:

1. Dimension: 560×360×170mm
2. System design pressure: 1 MPa
3. Safety valve respond pressure: 0.6 Mpa
4. WILO pump model: RS15/6, RS25/6 (For selection)
5. Screw coupling: 3/4 "
6. Material: Brass
7. Thermal insulation material: EPP
8. Range of environment temperature: -10~50°C
9. Water protection grade: IP40

Main functions:

1. Display system pressure
2. Medium feeding port
3. Expansion vessel connect port
4. Automatic air exhaust function
5. Temperature display on flow and return pipe
6. Adjust the flow rate

WORLDWIDE



Solar Project in South Korea



Poland



Spain



Romania



Solar Project in South Vietnam



Philippines



Mexico



Germany