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INTERNAL MEMORANDUM INTERNAL MEMORANDUM

TO: ALL ENGINEERS REF: NC/SO/M/004

DATE: 22ND OCTOBER 2018

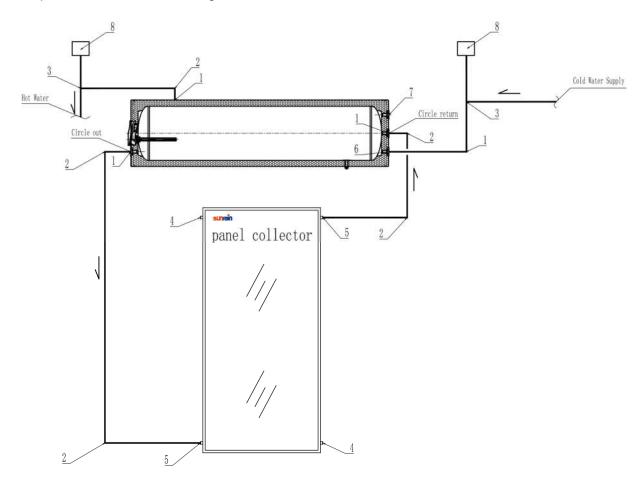
SUBJECT: PRODUCT INFORMATION: STANDARD SOLAR HOT WATER SYSTEMS VALVE

AND FITTINGS REQUIRED FOR INSTALLATIONS

Further to the Memo circulated on the Solar Hot Water Installations dated 3rd Oct 2018, below find some clarifications on the installations and fittings required for the Standard Solar Hot Water Systems

1. <u>Direct Standard Solar Hot Water Systems</u>

Note that the Standard Solar Hot Water Systems are supplied with the following valves and fittings, as per attached installation diagram

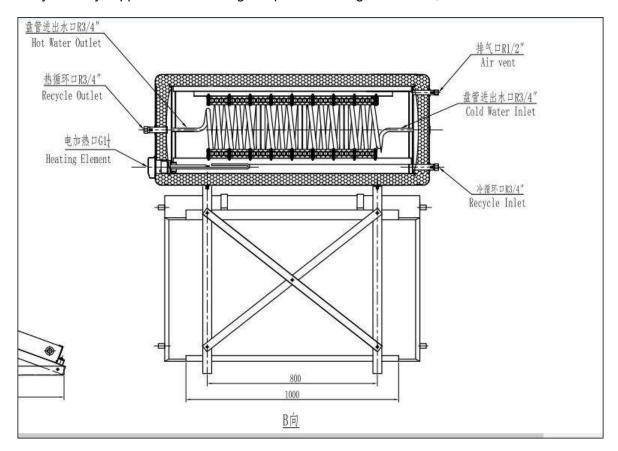


<u>No.</u>	<u>Specification</u>	<u>Pictures</u>	U150 system	U200 system	U300 system
6	<u>Drain cock</u> M 3/4" * F 3/4"		1 pcs	1 pcs	1 pcs
7	<u>T&P valve</u> M 3/4" * 22mm		1 pcs	1 pcs	1 pcs
8	Vacuum breaker 22mm		2 pcs	2 pcs	2 pcs
1	Straight Coupler Compression Fitting M 3/4" * 22mm		4	4 pcs	4 pcs
2	90° compression elbow Ports: 22mm * 22mm		5	5 pcs	5 pcs
3	Compression Tee 22mm * 22mm * 22mm		2	2 pcs	2 pcs
4	Compression end cap 22mm		2	2 pcs	2 pcs
5	Compression coupling 22mm * 22mm	M H 10	2	2 pcs	4 pcs
	Copper pipe 22mm*0.75mm* 3000mm Diameter*Thickn		2	2 pcs	2 pcs
	Insulation pipe 22mm*20mm*20 00mm Diameter*Thickn		3	3 pcs	0

2. Indirect Standard Solar Hot Water Systems

The Indirect systems are not supplied with T&P and drain cocks because the tank is unpressurised. Inlet and outlet is through the single coil and thus does not come into contact with the tank.

They are only supplied with the fittings as per below diagram and list,



<u>No.</u>	<u>Specification</u>	<u>Pictures</u>	<u>No.</u>
1	Straight Coupler Compression Fitting		2
	M 3/4" * 22mm		
	90° compression elbow		2
2	Ports: 22mm * 22mm	The state of the s	
	Compression Tee		_
3	22mm * 22mm * 22mm		2
4	Compression end cap	Carlo	2
	22mm		
5	Compression coupling		2
	22mm * 22mm		
	Copper pipe		
6	22mm*0.75mm*30 00mm Diameter*Thicknes		0
	s*Length Insulation pipe		
7	22mm*20mm*200 0mm Diameter*Thicknes		Lot

Kindly note below:

• A non-return valves MUST be installed at the cold water inlet for all solar hot water installations

Regards,

NORMAN CHEGE SOLAR GROUP MANAGER