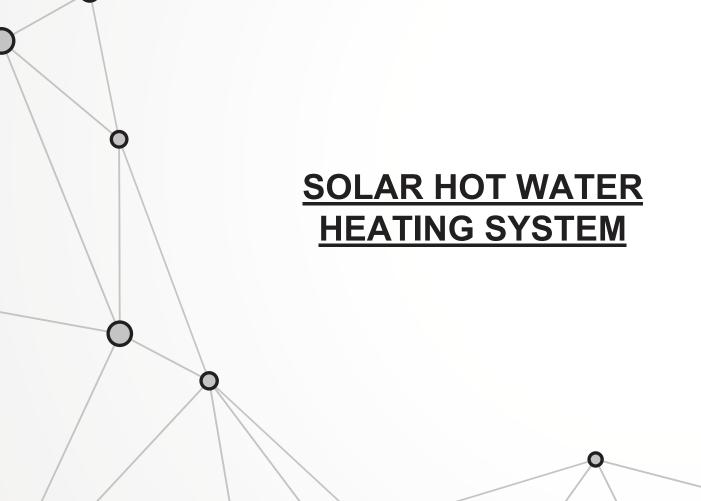


INSTRUCTIONS BOOKLET FOR INSTALLATION, USE AND MAINTENANCE





SOLAR HOT WATER HEATING SYSTEM



Dear Customer

Thank you for choosing a Solar Hot Water Heating System by VERSOL GROUP. In your interest and to maintain the highest level of performance and duration of your appliance, we recommend that you follow the instructions contained in this booklet and have regular maintenance performed by qualified personnel.

We would like to remind you that failure to follow the instructions contained in this booklet may invalidate the guarantee.





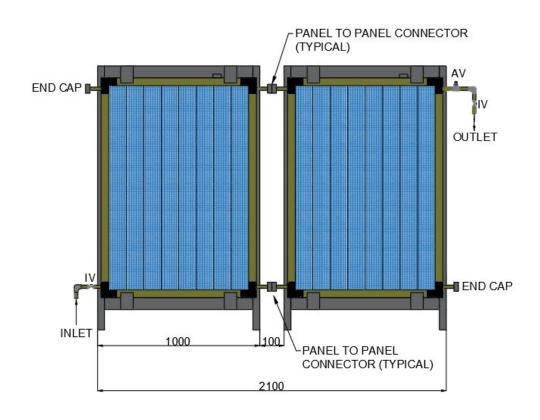
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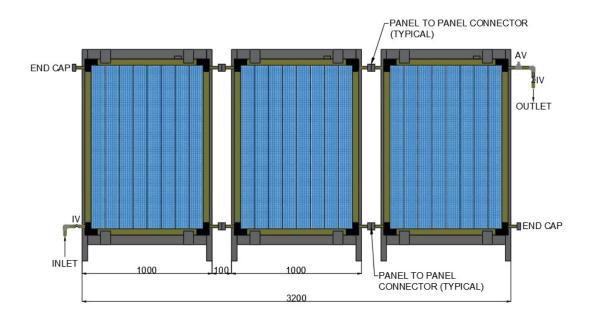
2 SOLAR PANEL IN ONE BANK (FPKIT-2) (Distance Between Panel to Panel with Valve & Accessories BOQ)



Numbe	er of Solar Panel		0	2 Nos	
Numbe	er of Solar Panel Frame		0	2 Nos	
End Ca	ap 22mm		0	2 Nos	
		SOLAR I	PANEL INLET		
SR. NO.	ITEM		SIZE	QTY	
1	Isolation Valve		3/4"	1	
2	Connector Kit	3/4" 1		1	
		PANEL T	O PANEL KIT		
1	Panel to Panel Connec	ctor	3/4"	2	
SOLAR PANE OUTLET					
1	Airvent		1/2"	1	
2	Isolation Valve		3/4"	1	



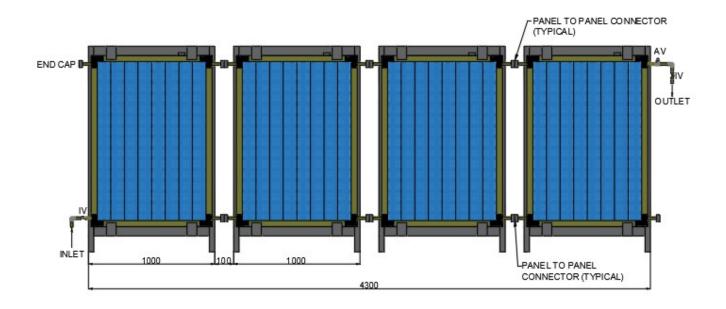
3 SOLAR PANEL IN ONE BANK (FPKIT-3) (Distance Between Panel to Panel with Valve & Accessories BOQ)



Numb	er of Solar Panel	03 Nos			
Numb	er of Solar Panel Fram	Э		03 Nos	
End C	Cap 22mm			02 Nos	
		SOLAF	R PANEL INLET		
SR. NO.	ITEM		SIZE	QTY	
1	Isolation Valve		3/4"	1	
2	Connector Kit		3/4"	1	
		PANEL	TO PANEL KIT		
1	Panel to Panel Conne	ctor	3/4"	4	
SOLAR PANE OUTLET					
1	Airvent		1/2"	1	
2	Isolation Valve		3/4"	1	



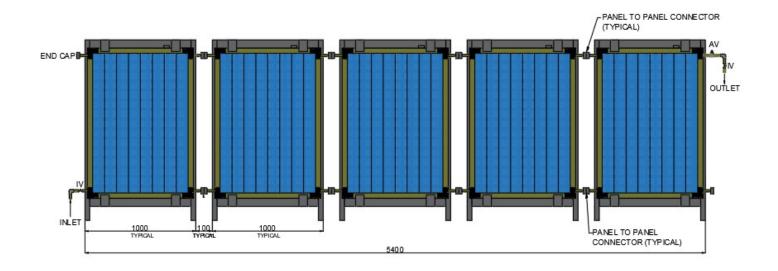
4 SOLAR PANEL IN ONE BANK (FPKIT-4) (Distance Between Panel to Panel with Valve & Accessories BOQ)



Numbe	r of Solar Panel		04 Nos			
Numbe	r of Solar Panel Fram	е	04	l Nos		
End Ca	p 22mm		02	2 Nos		
		SOLAR F	PANEL INLET			
SR. NO.	ITEM		SIZE	QTY		
1	Isolation Valve		3/4"	1		
2	Connector Kit	3/4" 1		1		
		PANEL T	O PANEL KIT			
1	Panel to Panel Connector 3/4'		3/4"	6		
	SOLAR PANEL OUTLET					
1	Airvent		1/2"	1		
2	Isolation Valve		3/4"	1		



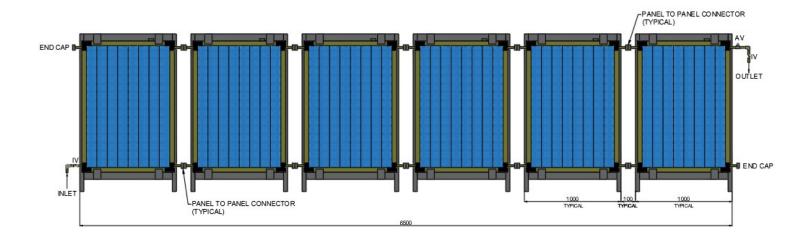
5 SOLAR PANEL IN ONE BANK (FPKIT-5) (Distance Between Panel to Panel with Valve & Accessories BOQ)



Numbe	r of Solar Panel	05 Nos			
Numbe	r of Solar Panel Fram	е	05	Nos	
End Ca	p 22mm		02	Nos	
		SOLAR F	PANEL INLET		
SR. NO.	ITEM		SIZE	QTY	
1	Isolation Valve		3/4"	1	
2	Connector Kit	3/4" 1		1	
		PANEL T	O PANEL KIT		
1	Panel to Panel Con	nector	3/4"	8	
SOLAR PANEL OUTLET					
1	Airvent		1/2"	1	
2	Isolation Valve		3/4"	1	



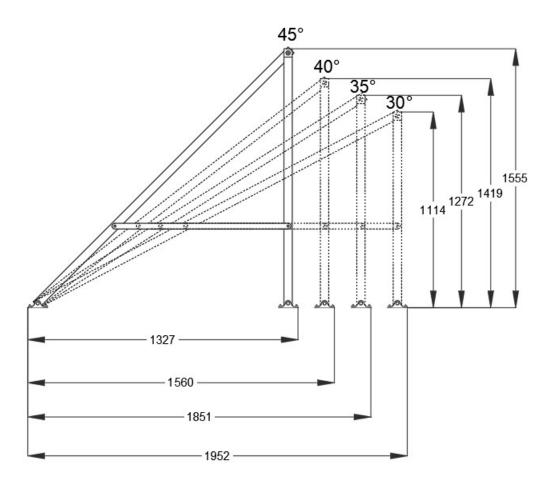
6 SOLAR PANEL IN ONE BANK (FPKIT-6) (Distance Between Panel to Panel with Valve & Accessories BOQ)



Numbe	r of Solar Panel	06 Nos			
Numbe	r of Solar Panel Fram	e	1 60	Nos	
End Ca	p 22mm		02 N	Nos	
		SOLAR PANEL INL	.ET		
SR. NO.	ITEM	SIZE		QTY	
1	Isolation Valve	3/4"		1	
2	Connector Kit	3/4" 1		1	
		PANEL TO PANEL	KIT		
1	Panel to Panel Con	nector 3/4"		10	
SOLAR PANEL OUTLET					
1	Airvent	1/2"		1	
2	Isolation Valve	3/4"		1	

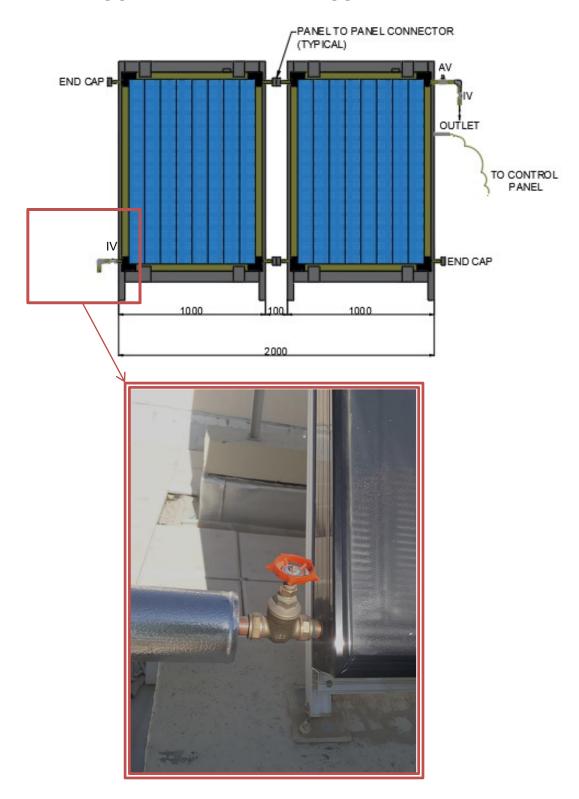


Solar Panel Frame Angle of Inclination





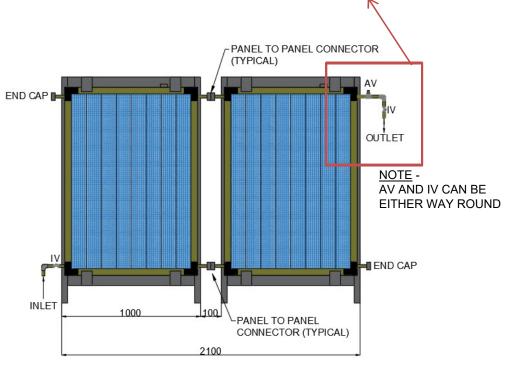
SOLAR PANEL INLET ASSEMBLY





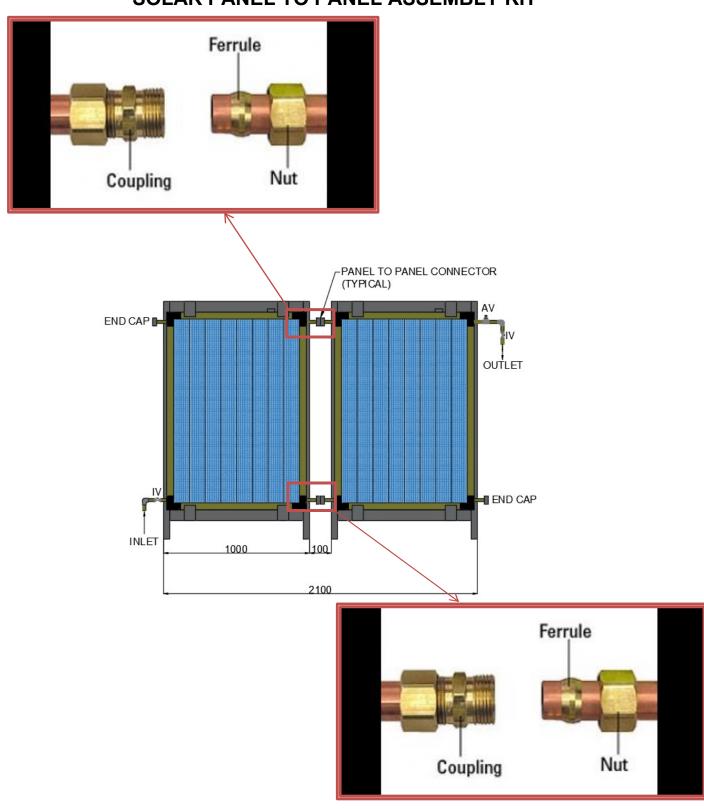
SOLAR PANEL OUTLET ASSEMBLY





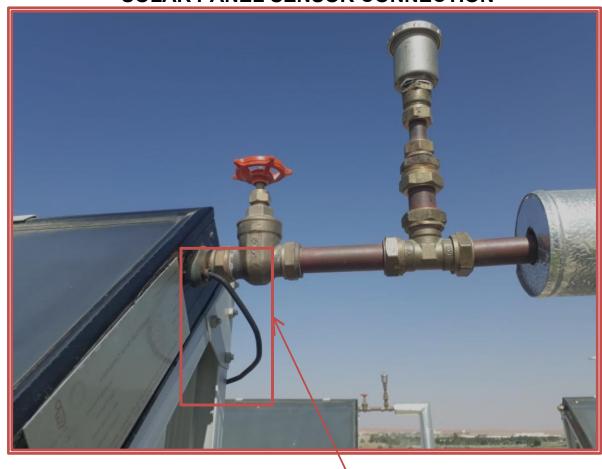


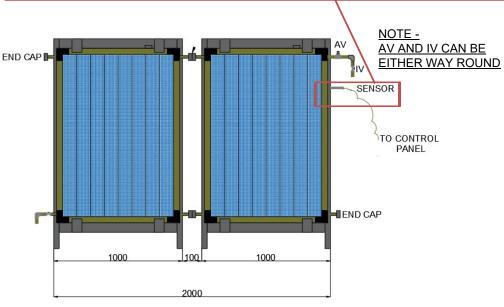
SOLAR PANEL TO PANEL ASSEMBLY KIT





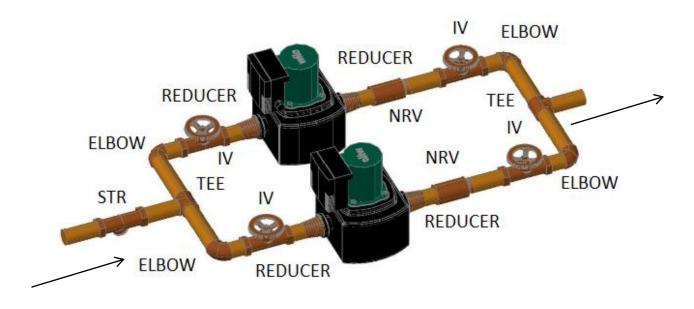
SOLAR PANEL SENSOR CONNECTION





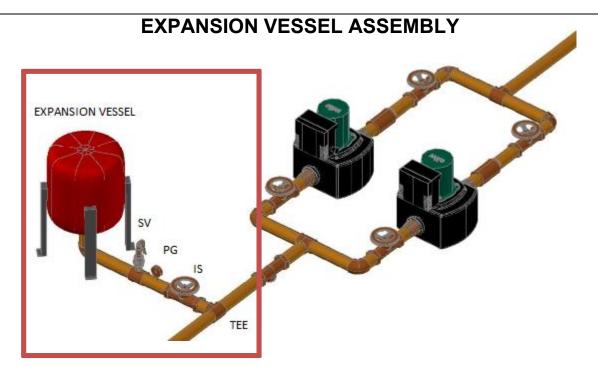


SOLAR CIRCULATION PUMP ASSEMBLY



Number o	of Pumps	02 Nos		
Pipe Deta	ils	1" Pipe at 1 Length		
	PUMP IN	ILET (Common)		
SR. NO.	ITEM	SIZE	QTY	
1	Strainer (STR)	1"	1	
2	Socket	1"/28mm	1	
3	Tee	28mm/28mm/1"	1	
4	Elbow	1"	2	
	PU	MP INLET		
1	Socket	1"	2	
2	Isolation Valve (IV)	1"	2	
3	Reducer	1-1/2"(F) / 1" (M)	2	
	PUI	MP OUTET		
1	Reducer	1-1/2"(F) / 1" (M)	2	
2	Non Return Valve (NRV)	1"	2	
3	Socket	1"/28mm	2	
4	Isolation Valve (IV)	1"	2	
5	Elbow	1"/28mm	2	
6	Tee	28mm/28mm/1"	1	





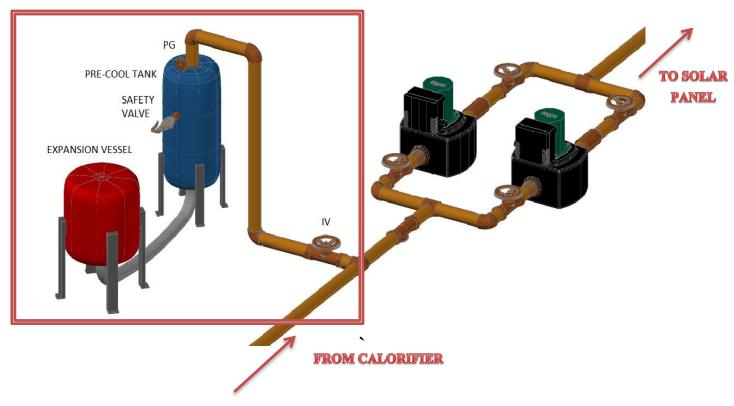
Number of Expansion Vessel		01 No				
	INLET					
SR. NO.	ITEM	SIZE	QTY			
1	Isolation Valve (IS)	1"	1			
2	Pressure Gauge (PG)	1"	1			
3	Safety Valve (SV)	1"	1			

Note:

-Expansion Vessel to be Installed in the suction side of solar circulation pump



EXPANSION VESSEL WITH PRE-COOL TANK ASSEMBLY



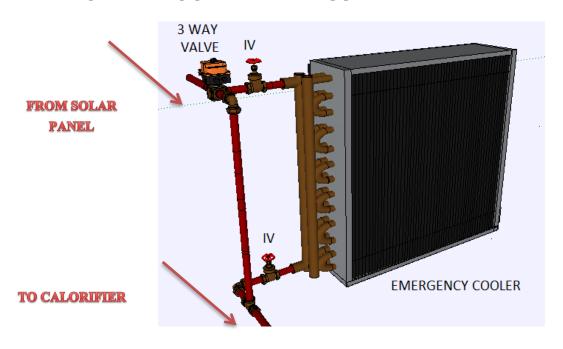
Number o	of Precool Tank	01 No.		No.
Number of Expansion Vessel			01	No.
INLET				
SR. NO.	ITEM		SIZE	QTY
1	Isolation Valve (IS)		1"	1
2	Pressure Gauge (PC)	1"	1
3	Safety Valve (SV)		1"	1

Note:

-Expansion Vessel to be Installed in the suction side of solar circulation pump



EMERGENCY COOLER TANK ASSEMBLY

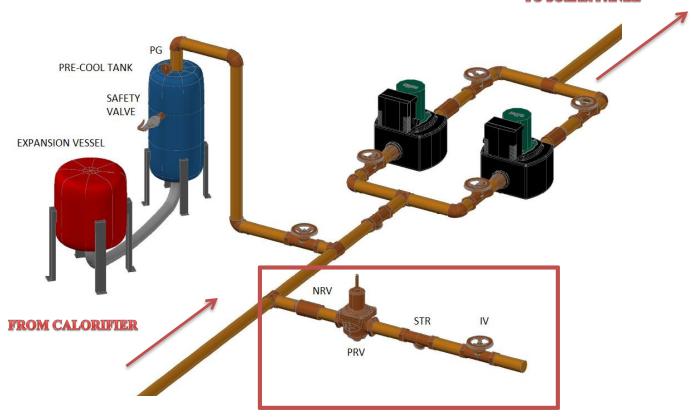


Number o	Number of Cooler 01 No.					
	COOLER INLET					
SR. NO.	ITEM	SIZE	QTY			
1	Three Way Valve		1			
2	Isolation Valve		1			
	COOLEI	ROUTLET				
1	Isolation Valve		1			
Note: Three	ee Way Valve Normal Operation	Note: Three Way	Valve Cooling Operation			
TO CALORIFIER THREE WAY VALVE FROM SOLAR PANEL		THREE W	TO EMEGENCY COOLER			



FEEDER LINE ASSEMBLY





FEEDER LINE VALVES AND FITTINGS BOQ						
SR. NO.	ITEM	SIZE	QTY			
1	Socket	1" / 28mm	1			
2	Non Return Valve (NRV)	1"	1			
3	Nipple	1"	1			
4	Pressure Reducing Station (PRV)	1"	1			
5	Nipple	1"	1			
6	Strainer (STR)	1"	1			
7	Nipple	1"	1			
8	Isolation Valve (IS)	1"	1			
110==						

NOTE:

-Primary/Solar Line Feeder Line should be installed at the suction side of the pump



