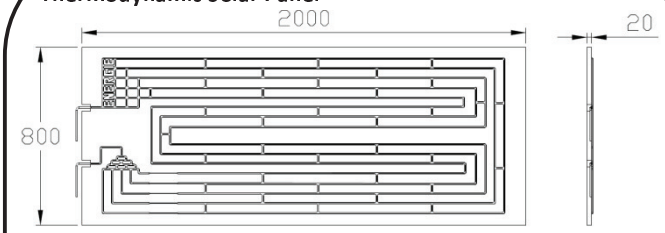
TECHNICAL FEATURES

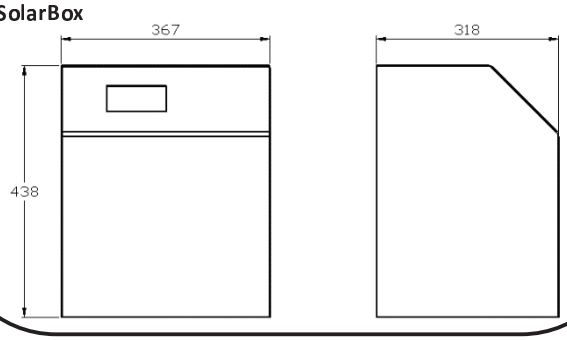
SolarBox		
Thermal power supplied (med-max)	W	1690 - 2900
Power absorbed (med-max)	W	390 - 550
Electrical power	V/HZ	230/50-60
Operating temperature	°C	-2 to 42
Cooling fluid / Load	-/Kg	R134a / 0.8
Maximum water temperature	°C	55
Maximum operating pressure (water)	bar	7
Weight	Kg	23,5
Size of the packaging	a x l x p	470 x 400 x 400
Hydraulic connections (input|output)	Inches	1/2" | 1/2"
Refrigerant connections (input|output)	Inches	3/8" | 1/4"
Thermodynamic Solar Panel		
Weight	Kg	8
Size of the packaging	a x l x p	2200 x 810 x 30
Refrigerant connections (input|output)	Inches	1/4" | 3/8"
Tank Requirements		
Maximum Tank Capacity	lts	300
Minimum Coil Area (when using backup connections)	m^2	1,5

DIMENSIONS

Thermodynamic Solar Panel



SolarBox



INSTALLATION

Thermodynamic Solar Panel

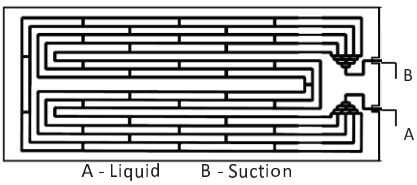
The location and the angle at which the panels are installed must be taken into account. In order to take full advantage of the solar radiation in question, the panels should be set at an angle of between 10° - 85° to the ground, and preferably pointing south.

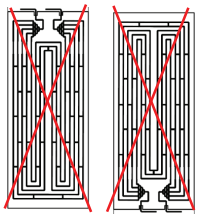
The panel comes with six M8 holes on the side flaps. The distance between the holes at the location where the panel is to be placed should coincide with the holes in the panel.

The equipment comes with 3 small and 3 large brackets which should be fixed in order to give the panel the desired angle.

The brackets should be fixed to the base (e.g. a tile) using the plastic nut and self-threading M6 screw supplied.

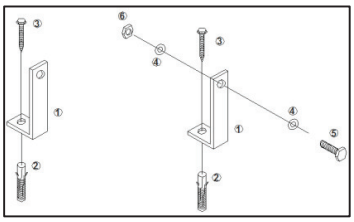
The panel is fixed to the brackets using the M6 screws and respective nuts and washer.





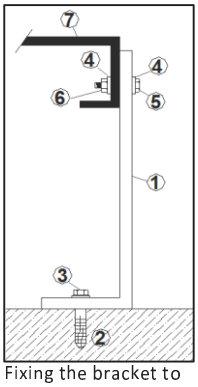
WARNING	The panel should always be installed downwards, with the connections facing down.

INSTALLATION (cont)



Fixing the brackets

[1]	Aluminium bracket
[2]	Bushing
[3]	Self threading screw M6x4
[4]	Washer M6
[5]	Screw M6x20
[6]	Nut M6
[7]	Panel

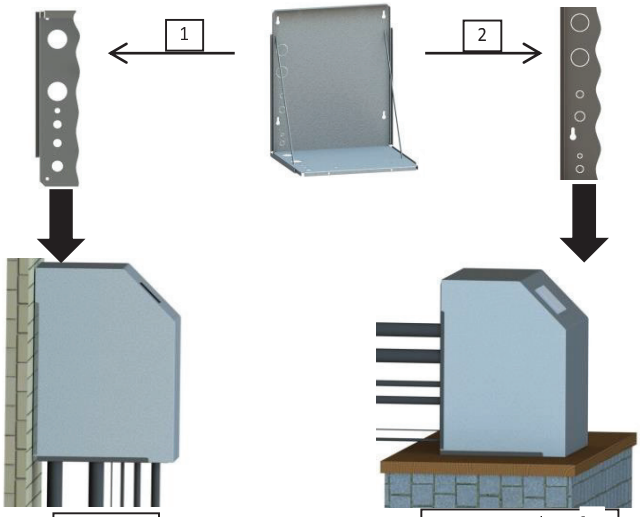


Fixing the bracket to the panel

SolarBox

SolarBox may be fixed to a wall using the four holes in the back or placed on a horizontal surface using the four silentblocks. In either case, the device should be correctly levelled. SolarBox has holes at the bottom (1) and half-holes in the back (2).

WARNING	When installing SolarBox, ensure the wall in question is capable of supporting the weight of the same.



On the Wall

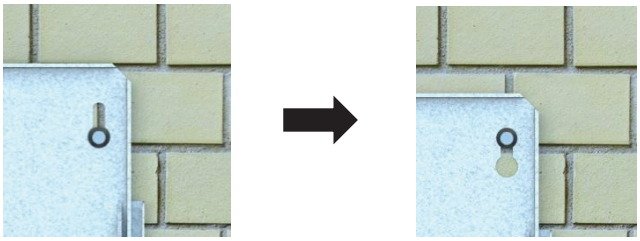
On Horizontal Surface

Fixing SolarBox to the Wall

1 – Make four holes to receive the nuts corresponding to the four M6 flanged screws included in the packaging.

2 – Screw in the screws leaving a distance of approximately 3mm between the wall and the flange of the screw.

3 – Align the SolarBox and rest the same gently on the 4 screws.



4 – Tighten the screws until they are in contact with the structure.

5 – Secure the connections underneath the structure.

Placing the SolarBox on a horizontal surface

1 – Lay the structure on a level and stable surface, checking the four anti-vibratory brackets have been duly mounted.

2 – Remove the half holes from the rear of the structure by twisting the metal part you wish to remove.

3 – Secure the connections on the rear of the structure.