



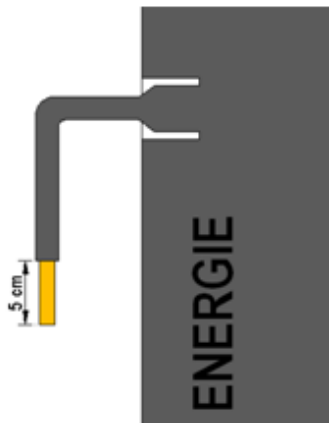
## ADENDUM TO SOLARBOX 2X PANELS

### Connection to the Panels (x2)

Remove the protecting caps from the ends of the copper piping.

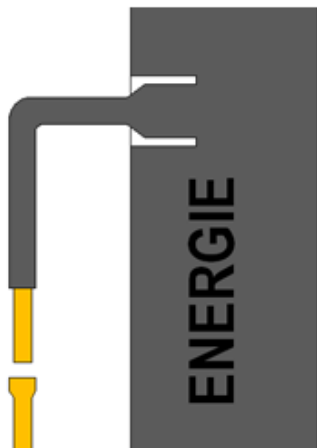
Place the end of the tube so that it is pointing downwards, cutting the pipe at the intended point, making sure to clean off any burrs (e.g. with a reamer).

Next, remove the covers from the panel connections, and with the aid of a cutting tool such as a penknife, remove **5 cm** of the thermoretractable sleeve.



*Removal of thermoretractable sleeve*

A 3/8" piping expansion area must be made, with the aid of an appropriate tool, for proper connection to the panel.



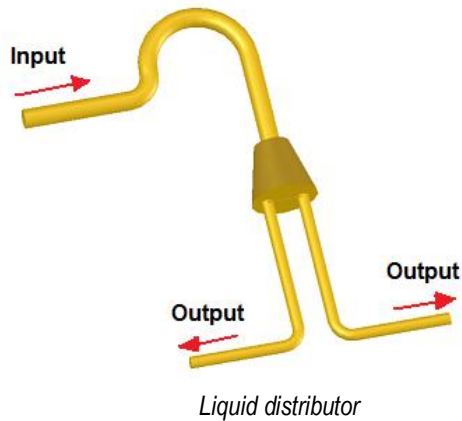
*Piping expansion (3/8")*

Line up the liquid and suction tubes, but before commencing the welding operation, make sure to protect the thermoretractable sleeve by using a damp cloth.

The type of solder recommended for welding the pipes is type oxyacetylene (Oxygen/Acetylene). Other types of gases can also be used, such as propane for example.

After carrying out the panel connection welding operations, but before installing the Thermodynamic Block, make sure the apparatus has been cleaned with nitrogen.

For installations with two or more panels, it is essential that the fluid is homogenously distributed (*panel entry*). The equipment already comes installed with a **liquid distributor** so that this process can be accurately put into effect.



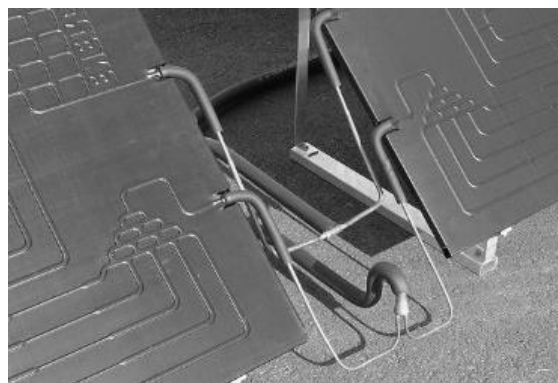
This distributor is placed between the two panels. The panel connecting pipes (1/4") must be exactly the same length, their extremities connecting directly to the panels.



*Liquid distributor (liquid line)*

The same level of pipe symmetry exactness is not required in relation to the suction connections (**Panel exit**).

This must be done by "denting" or with a "T" connection (in accordance with the following image), being properly insulated.



*Suction Line*

## Technical Features

SolarBox		
Thermal power supplied (med-max)	W	2800 - 4550
Power absorbed (med-max)	W	595 - 890
Electrical power	V/HZ	230/50-60
Operating temperature	°C	-2 to 42
Cooling fluid / Load	-/Kg	R134a / 1,0
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	1/2"   3/8"
Thermodynamic Solar Panel (2x)		
Weight	Kg	(2x) 8
Size of the packaging	a x l x p	(2x) 2200 x 810 x 30
Tank Requirements		
Maximum Tank Capacity	lts	300
Minimum Coil Area (when using backup connections)	m <sup>2</sup>	1,5