



TUBE THERMOSYPHON WITH PRESSURIZED TANK TR



With higher performance compared to conventional equipment, thanks to a patented overheating protection system using core technology.

For this reason, it includes a polished mirror collector, which facilitates the capture of 360° sunlight, with technology like concentrated solar.

Better efficiency and peace of mind:

- ~ **Summer:** overheating prevention.
- ~ **Winter:** higher sunlight absorbing.

The manufacture of the tank is made entirely of stainless steel.

*In accordance with the UNE-EN 12976 standard, Solar thermal systems and their components, and with a MITECO approval certificate.

*Warranty: 3 years. Shel life: 15 - 20 years.



MÁX. 85°C, EVEN WITHOUT CONSUMPTION

ABSORBES 40% MORE THAN CONVENTIONAL EQUIPMENTS

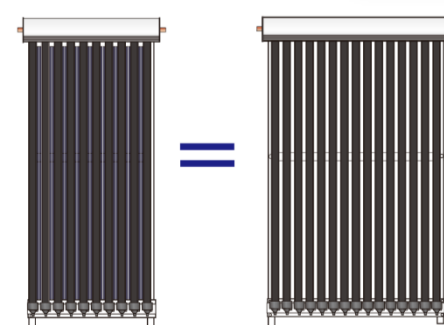
HEAT PIPE TECHNOLOGY – SOLAR SYSTEM CAN WORK NORMALLY WHEN TUBES BROKEN

HAIL RESISTANT UP TO Ø MM

WIND RESISTANT UP TO 25 M/S

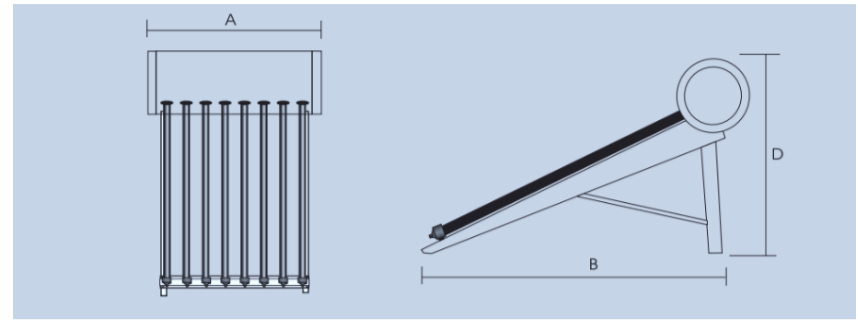
FREEZE RESISTANT ABOVE -35 °C

HEAT PRESERVATION UP TO 72 HOURS



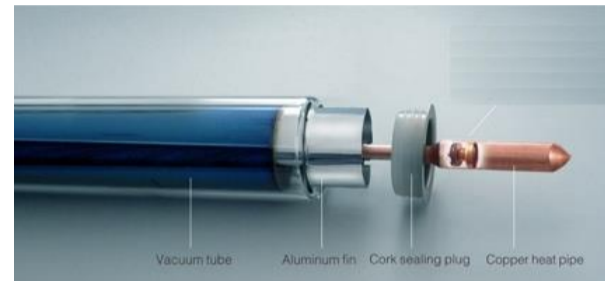
TECHNICAL SPECIFICATIONS

- Pressurized inner tank 316L Stainless Steel
- Security valve P/T: 6 bars/99°C
- Daily T^a of hot water: 45°C-90°C
- Overheat initial limit: 85°C-95°C
- Overheat maximum limit: 95°C-105°C
- Work pressure: 6 bars
- Tank material: PVDF
- Frame material: thick galvanized steel
- Insulation: polyurethane foam



Measres: Large (B): 1987 mm; Tall (D): 1200 mm

- Transition temperature: ≤25°C
- Stagnation temperatura of vaccum tubes: 230°C
- Emission rate: ≤0.08
- Borosilicate glassware 3.3
- Heat pipe TU1
- Shelf life ≥ 15 years



Tubes measures: Ø58 x 1800 mm; Distance between tubes: 110 mm

MODELS

Model	N° of vaccum tubes	Cantidad neta tanque (L)	Capacity (Liters/day/ 60°C)	Users	Effective area of collector (m ²)	Frame measures - Width (A) (mm)	Tank weight (kg)	Tubes weight (kg)	Total weight (kg)
TR 8	8	97	100	1 – 2 people	1.42	1080	59	22	81
TR 10	10	115	120	1 – 3 people	1.80	1300	66	25	91
TR 12	12	144	150	2 – 3 people	2.18	1520	73	28	101
TR 15	15	180	200	3 – 4 people	2.75	1850	89	37	126
TR 20	20	239	300	4 – 6 people	3.70	2430	115	50	165

Latitude	Demand 110 l/day			Demand 170 l/day			Demand 250 l/day		
	Qd (MJ)	Ql (MJ)	fsol (%)	Qd (MJ)	Ql (MJ)	fsol (%)	Qd (MJ)	Ql (MJ)	fsol (%)
46,8°	6654	5330	80	10281	7253	70,3	15137	8546	56,4
38,0°	4573	4163	91,3	7064	5992	84,6	10407	7726	74,3

*System performance indicators on the anual basis of a demand volumen at 45°C. South Orientation. Tilt anglar: 45°. Ambient Temperature: 15°C.

Qd: heat energy demand
 Ql: heat supplied by the system
 fsol: solar fraction = Ql/Qd

ACCESSORIES INCLUDED



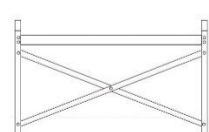
Multifunction frame



Anti-corrosion magnesium rod



Security valve P/T anti-return



Frame for roof



Lateral



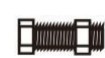
Tube protectors



CPC



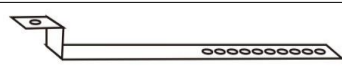
CPC Anchors



M8



M6



Fixing plates



Fixing pads



Inferior



Thermal conductive paste