

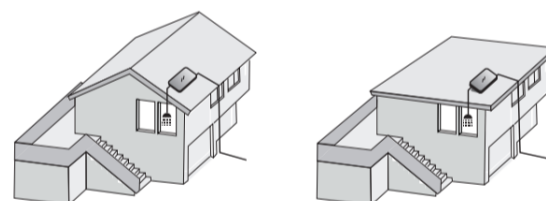


COMPACT COLLECTOR WITH INTEGRATED TANK BN

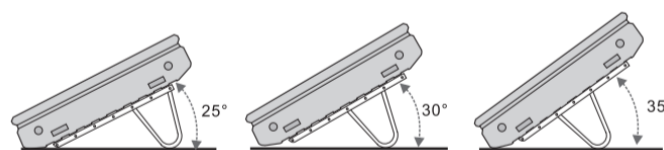


EASY INSTALLATION

- ~ The water is stored and heated directly in the solar collector.
- ~ No transfer losses between media
- ~ Circulation is not required to heat the water.
- ~ Two installation modes:



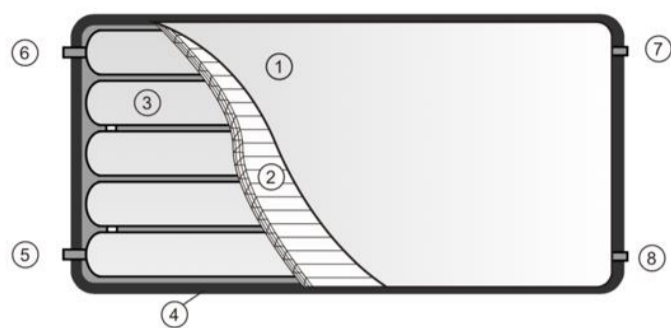
- ~ Directly on sloping roofs.
- ~ With auxiliary structure for flat roofs, with different angles depending on latitude..



* 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: 10 years.

TECHNICAL SPECIFICATIONS



- 1-Tempered solar safety glass.
- 2-Clear thermal insulation.
- 3- Storage tank.
- 4- Box
- 5- Drain hole.
- 6- Exit hole.
- 7- Reserve hole.
- 8- Entry hole.

- Maximum working pressure: 4 bars.
- Stagnation Temperature: 85°C
- Insulation: high density polyurethane foam.
- Connections: 2 x 3/4" ,añe thread in 304 stainless steel.
- Recommended use temperature: $\geq 0^{\circ}\text{C}$.

MODELS

Modelo	Capacity (Litres/day/45°C)	Net quantity tank (L)	Collector effective area (m ²)	Dimensions	Weight	Users
BN 150	150	140	1,63	2140 x 890 x 212 mm	60 kg	1 – 3 people
BN 200	200	190	2,23	2140 x 1113 x 212 mm	75 kg	3 – 4 pople

Latitude	Demand 110 l/day			Demand 140 l/day			Demand 170 l/day		
	Qd (MJ)	Ql (MJ)	fsol (%)	Qd (MJ)	Ql (MJ)	fsol (%)	Qd (MJ)	Ql (MJ)	fsol (%)
46,8°	6646	3801	57,2	8459	4231	50,0	10256	4310	42,0
38,0°	4565	3226	70,7	5810	3942	67,8	7042	4361	61,9

*System performance indicators on the annual basis of a demand volume at 45°C .
South orientation. Tilt angle: 45°. T^a ambient: 15°C

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

ADDITIONAL INFORMATION

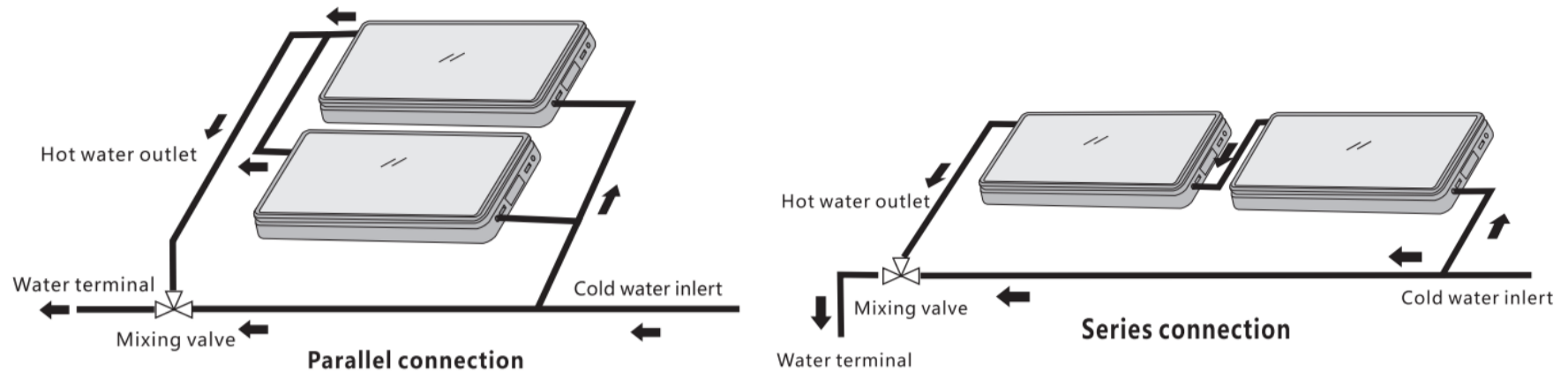


Work principle: hot water is generated in a few minutes as the process is fast, this allows the water to always be fresh and clean.

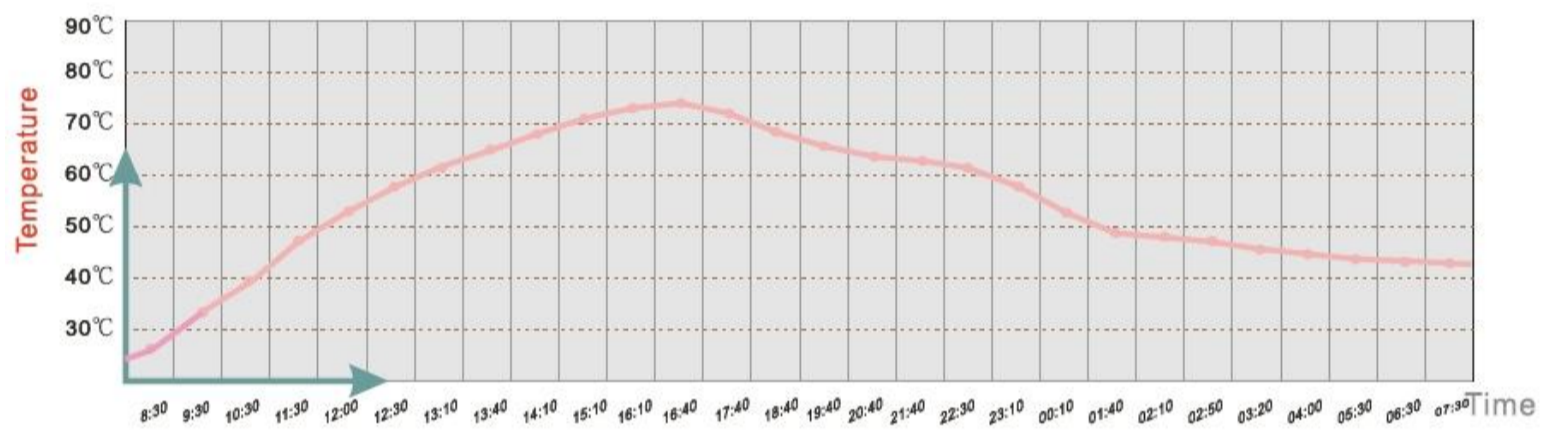
With Little amount of sunlight, it is used effectively to convert it into heat to heat the water .

It is recommended to use filtered water to avoid corrosión. It is recommended to clean the collector Surface 1-2 times a year to improve efficiency.

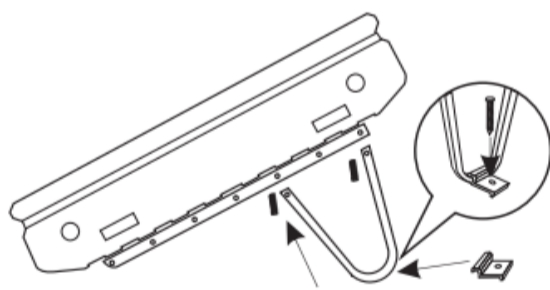
Several plates can be connected both in series and in parallel.



PERFORMANCE CURVE



ACCESSORIES INCLUDED



Multifunctional structure



P/T non-return safety valve