

SERIE E

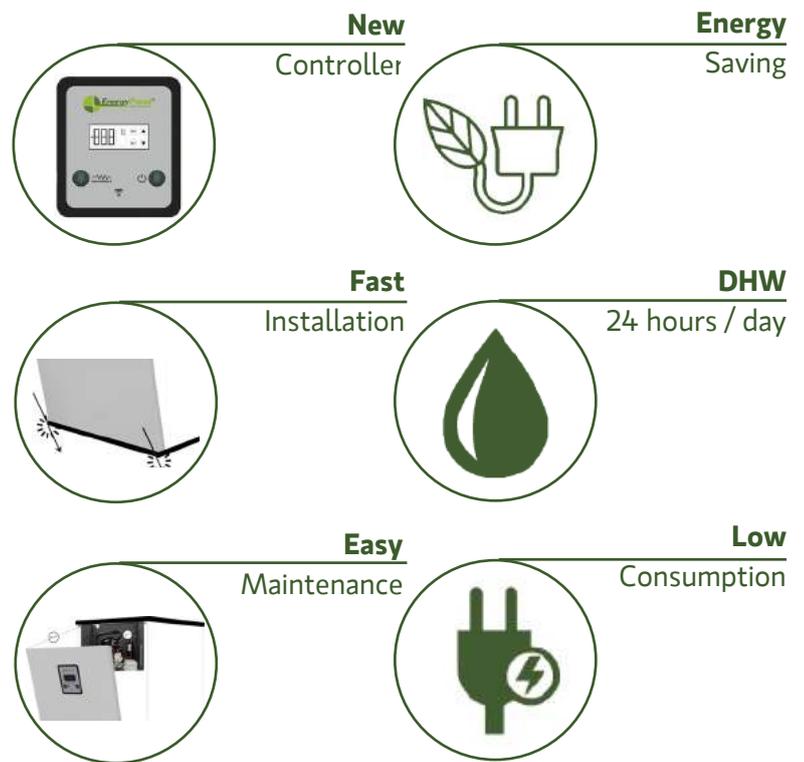
TB 100 / 180 / 200 / 250 / 300 / 300XL



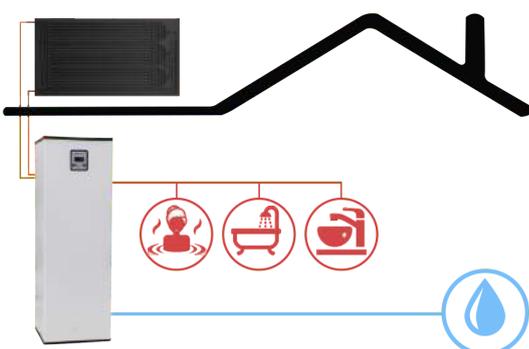
A new concept in thermodynamic compact systems.

The THERMBOIL is an innovative water heater that include a heat pump system with solar gain and a water tank. It is able to capture the ambient solar energy to heat water efficiently, with very low consumption compared to conventional systems.

This system reaches an energy performance up to 20% higher than solar thermal systems on the market.



How do thermodynamic panels work?



The cooling fluid that circulates in the panel captures the solar radiation and ambient energy where it is obtained that gasifies.

The compressor sucks this gas, raises the temperature and pressure. Then it goes to the condenser where the temperature drops to the water to be heated. The fluid then reaches the expansion valve in liquid phase to reduce its pressure and temperature and return to the panels to close the cycle.

Technical information

Modelo	TB100E	TB180E	TB200E	TB250E	TB300E	TB300E XL
Nominal thermal capacity (Thermodynamics only) (W)						1500
Range power consumed (thermodynamics) (W)						2100
Maximum power consumed (thermodynamic + resistance)						2100
Power supply						230 V / 1 ph / 50 Hz
Ambient temperature range (°C)						5-45
Rango COP						2-5
Type of gas						R134a
Volume of the accumulator (liters)	100	180	200	250	300	300
DHW temperature range with thermodynamics (°C)						45-50
Dimensions (H x W x D) (mm)	1002 x 595 x 585	1920 x 450 x 490	1452 x 595 x 585	1780 x 595 x 585	2007 x 595 x 585	1435 x 708 x 630
Working pressure (bar)						6
Connections cold water input / output hot water (SAE threading)						3/4 - 3/4
Insulation type (kg/m ³)						PUR 40
Thermodynamic panel weight (kg)						6,2
Safety class						IP 20
System weight (kg)	72	93	92	105	114	124
Thermodynamic panel dimensions (H x W x D) (mm)						1700 x 800 x 25 mm

Did you know...?



With the Energy Panel thermodynamic solutions you can save **more than 400 € per year.**

In the shower

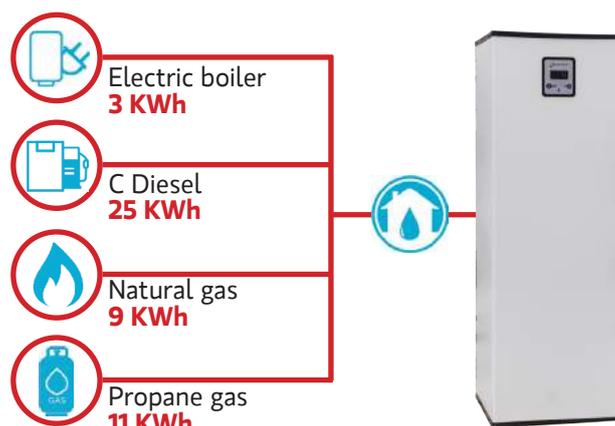
Electric boiler
4 people
160 liters / day
13,28 KWh
35,88 € / month

Energy Panel

Thermboil
4 people
160 liters / day
3,1 KWh
11,81 € / month

Saving: 433 € / year

Consumption between different systems



Energy Panel: 0,7 KWh

Certifications

