

# DHW / THERMODYNAMICS

## Calidarium TD 500 Liters



**Calidarium 500 TD** is the new generation of thermodynamic system for the production of domestic hot water for both domestic and industrial use. This system is equipped with 2 thermodynamic solar panels which represent the evaporator of the Pdc (direct expansion of the refrigerant gas).

They can be installed both outside and inside. The thermodynamic panel has the function of extracting all the energy present in the surrounding environment, such as: rain, sun, wind and the same ambient temperature.

This feature makes it unique compared to traditional systems, with a higher machine efficiency and consequently greater savings for families.

The energy captured by the panel is used in the thermodynamic cycle of the system to heat the water contained within the inertial deposit of the machine.

**Calidarium 500 TD** is suitable for supplying DHW to: gyms, B & Bs, small hotels, hairdressers, dairies, cattle breeders, kennels ...

Calidarium 500 TD is entirely produced in Europe with excellent quality standards.

Remote control with wi fi

\*Deposit with connection for recirculation as standard

Energy savings up to 70%, 4Kw thermal power.

Intelligent control unit with 5 operating modes.

Interface with photovoltaic systems.

Aluminum condenser outside the deposit.

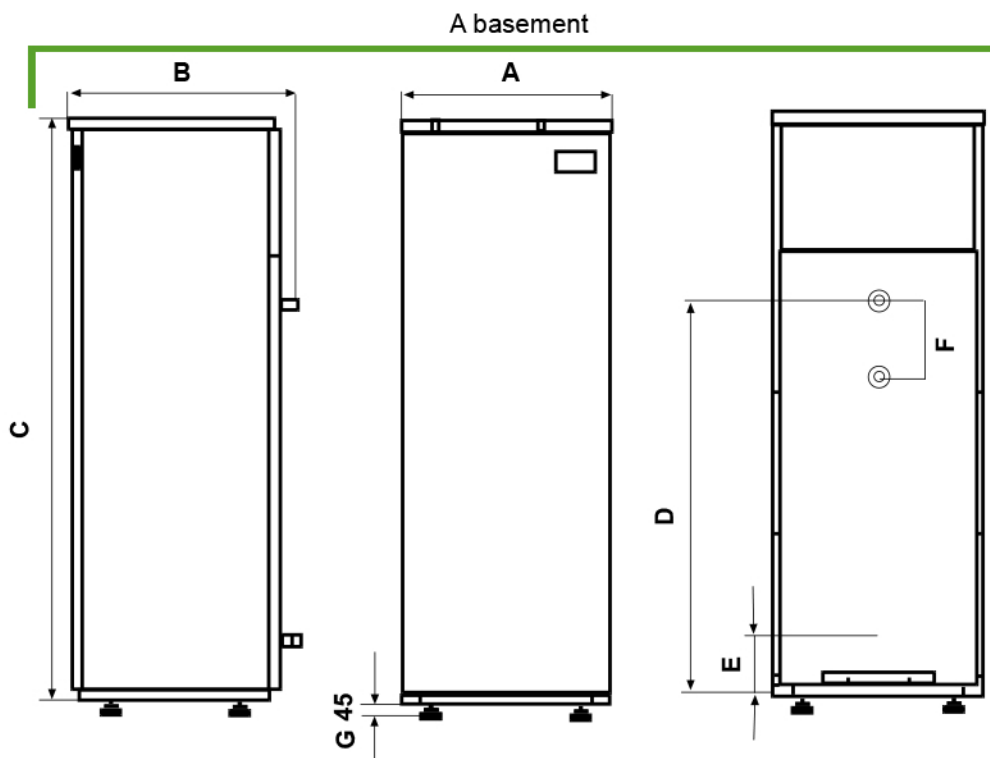
Automatic anti-Legionella cycle.

Warehouse in duplex 2205 steel with 25 years warranty.

Erp agrees with the Eco-design / Eco-label legislation.

100% made in Europe.

### LEGEND



# CALI 500 LITERS Thermodynamic



**CALI 500 TD**

## OPERATING MODES

- **Auto:** combined DHW production for Pdc module and resistance (only in case of connection), second Temperature and performance of the heat pump.

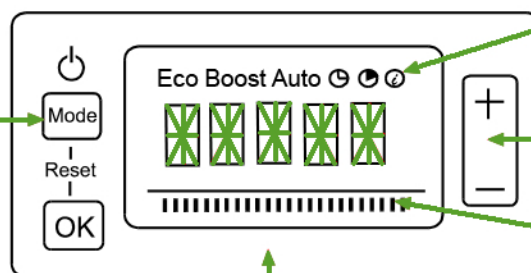
- **Eco:** only enables DHW production by means of the pump module the heat.

- **Boost:** pump operation heat and resistance (only in case of connection) simultaneously to reduce recovery time and optimize DHW production.

- **Holidays:** absence of production ACS during the holiday period; includes ice protection.

- **Program:** allows you to program the periods when the equipment works

## IP 65



Statistical access information on the weekly and monthly operation of the appliance, which differentiate the use of the heat pump and the auxiliary resistive element.

Up / Down Keys - Navigation

Calendar scale

## TECHNICAL DATA



<b>TAMPLATE</b>	CALI 500 -TD
Volume	500 Litri
Operating pressure, bar	6
<b>TECHNICAL DATA Pdc</b>	
Energy rating	A
User service	10 Persone
Thermal power range * W	2860-5120
Absorbed energy * W	900-1080
COP * (1), W	2,5-4,6
Temp. Max HP, C°	60
Temp. Max Resistance, C°	62
Refrigerante	R134a
<b>ELECTRICAL DATA</b>	
Power supply, V / ph / Hz	230 / 1 /50
Electric resistance power, W	2000
Maximum absorbed power, W	3080
<b>THERMODYNAMIC PANEL</b>	
N° panles	2
Dimensions in mm	1700 x 800
Maximum panel service pressure, bar	10
Coolant In / Out (inch)	3/8-1/4

Standard EN 16147: (1) Air temp. 20°C / Water temp. 10-55 °C

(2) Air temp. 7°C / Water temp. 10-55 °C

## LEGEND

A, mm 702

B, mm 785

C, mm 2066

D, mm 1326

E, mm 191

F, mm 250

G, mm 45