ECO

Probably the most developed solar water heater in the world

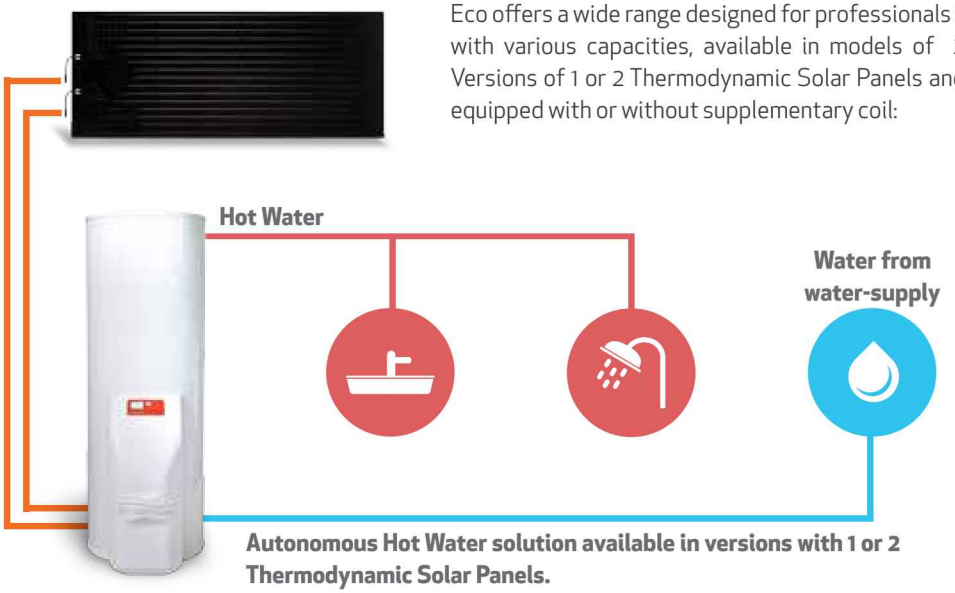
Available with capacities of 200 to 500 litres.
Versions with one or two solar panels, with or without supplementary coil.
Cylinder available in Enamelled or Stainless Steel.

RENEWABLE ENERGY

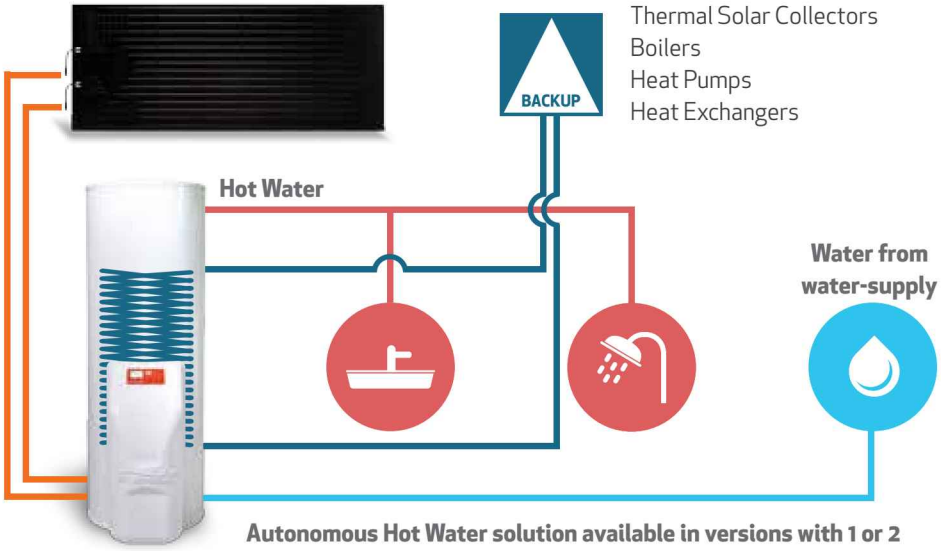
Energy Class A+

E C O

Eco offers a wide range designed for professionals from this industry, with various capacities, available in models of 200 to 500 litres. Versions of 1 or 2 Thermodynamic Solar Panels and Thermal Storage equipped with or without supplementary coil:



Autonomous Hot Water solution available in versions with 1 or 2 Thermodynamic Solar Panels.



Autonomous Hot Water solution available in versions with 1 or 2 Thermodynamic Solar Panels with supplementary coil.

Choose your model

ECO 888 A A A

1 2 3 *4 *5

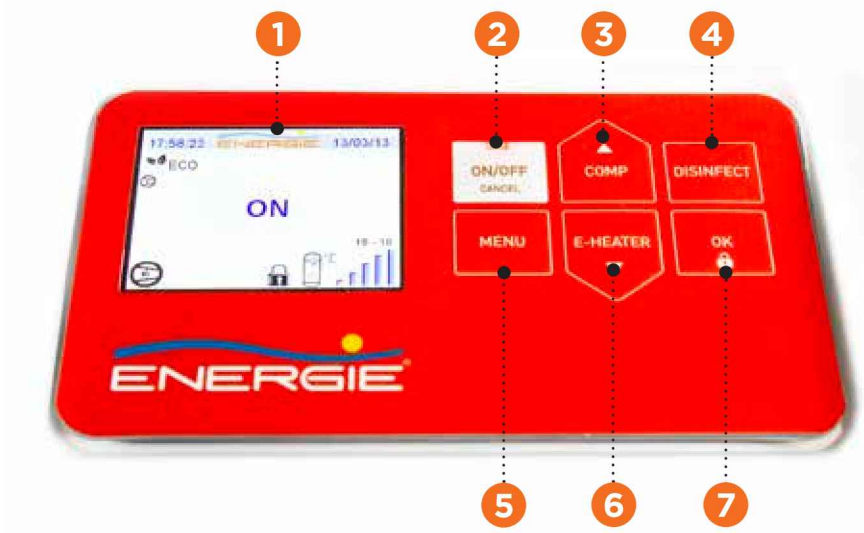
1. **Model**
   Eco
2. **Capacity (litres)**
   200, 250, 300, 500 litres Cylinders
3. **Cylinder Material**
   esm (Enamelled)
   i (Stainless)
*4. **2 Solar Panels**
   S
*5. **Supplementary Coil**
   X

* Optional and when applicable
888 Represents the capacity of equipment

Examples

ECO 300esms Eco with 300 litres capacity with enamelled cylinder and 2 solar panels
ECO 200esm Eco with 200 litres capacity with enamelled cylinder and 1 solar panel
ECO 300ix Eco with 300 litres capacity with stainless steel cylinder, supplementary coil and 1 solar panel
ECO 300isx Eco with 300 litres capacity with stainless steel cylinder, supplementary coil and 2 solar panels

ELECTRONIC CONTROLLER



1. **LCD colour screen**
2. **ON / OFF General**
3. **ON / OFF Compressor**
4. **ON / OFF Anti-legionella**
5. **Menu**
6. **Electrical support** (malfunction)
7. **Execute | Lock / Unlock**

ECO Operating Mode
In the ECO operating mode, the equipment only works as a Thermodynamic Solar System to heat water in the thermal storage. Thus we can have higher efficiency, guaranteeing maximum saving for the user.

AUTO Operating Mode
In the AUTO operating mode, the equipment works as a Thermodynamic Solar System and/or electrical support, there being an automatic management between the operating of the solar system and electrical support, in order to maintain the efficiency of the equipment, thus providing a higher quantity of hot water available.

BOOST Operating mode
In the BOOST operating mode the equipment works with a Thermodynamic Solar System and electrical support simultaneously. This mode allows the user to get hot water in a shorter amount of time.

MAXIMUM PRODUCTIVITY WITH SOLAR PERFORMANCE

100% ENVIRONMENTALLY FRIENDLY

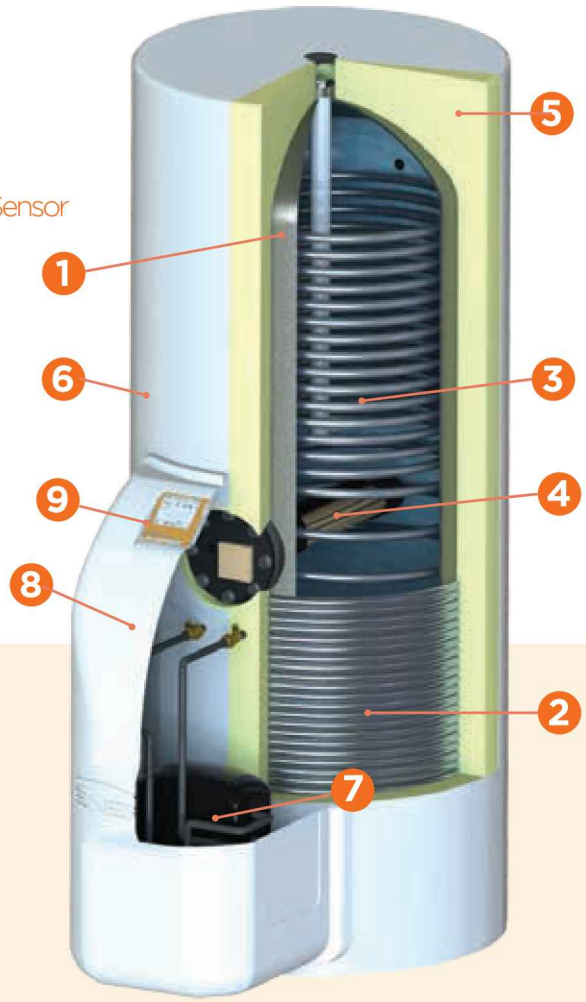
- HEAT IS CAPTURED UNDER THE FORM OF SOLAR RADITION, ENVIRONMENTAL TEMPERATURE, RAIN, WIND AND EVEN SNOW.
- THE HEAT PRODUCED ON COLDER DAYS, EVEN AT NIGHT IS SUFFICIENT TO ATTAIN THE WATER TEMPERATURE DESIRED.
- THE SOLAR PANEL IS LIGHT, DISCREET AND VERSATILE IN TERMS OF WHERE TO PUT IT.
- OUTSIDE CYLINDER CONDENSER (NO CONTACT WITH WATER).
- 3RD GENERATION THERMODYNAMIC SOLAR ENERGY.
- HOT WATER UP TO 55ºC AVAILABLE 24h PER DAY.
- ALMOST NON-EXISTENT MAINTENANCE.
- THE ENERGY CONSUMPTION OF THE EQUIPMENT IS REDUCED DUE TO A SUPER EFFICIENT COMPRESSOR.
- NO DEFROST CYCLE.
- PV FUNCTION.

MAXIMUM EFFICIENCY

ECO

1. DHW Cylinder
2. Condenser
3. Optional Supplementary Coil
4. Ceramic Resistance + Thermostat + Temperature Sensor
5. High Density Insulation
6. Outside Coating
7. Thermodynamic Block
8. Cover
9. Electronic Controller

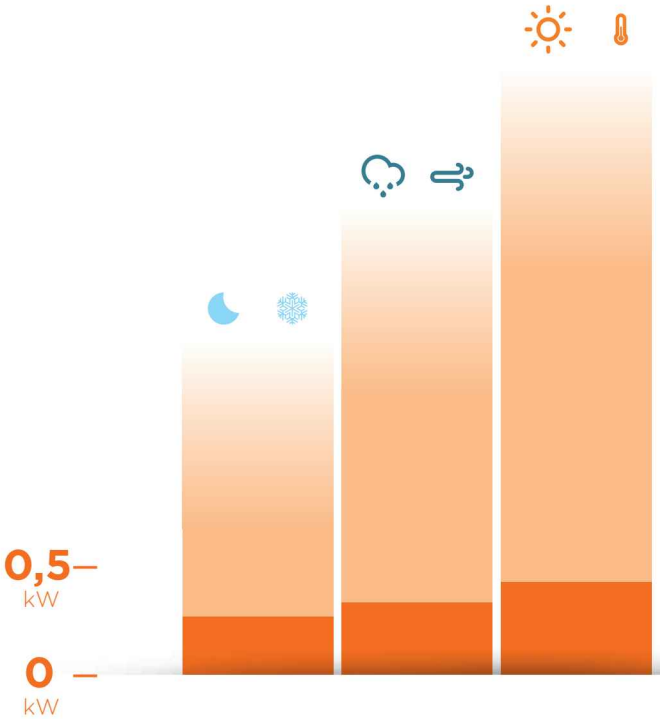
Corte



Versions with 1 or 2 Thermodynamic Solar Panels

Enamelled or stainless steel cylinder

With or without Supplementary Coil



Behaviour of a thermodynamic solar system according to the different weather conditions

WARRANTY 5 YEARS CYLINDER

WARRANTY 10 YEARS SOLAR PANEL

Check warranty conditions

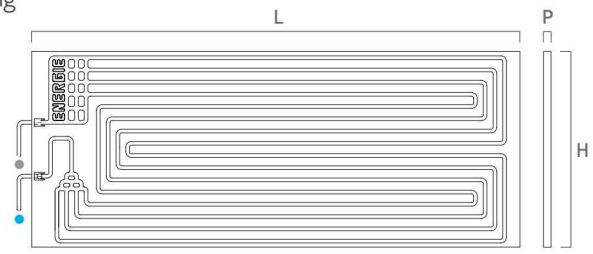
ENERGIE THERMODYNAMIC SOLAR ENERGY

Thermodynamic Solar System
with one Solar Panel

Specifications		Eco 200esm	Eco 250i Eco 250esm	Eco 300i Eco 300esm
Nominal Capacity	L	200	250	300
Thermal Power (Med/Max)	W	1690/2900	1690/2900	1690/2900
Power Consumption (Med/Max)	W	390/550	390/550	390/550
Temperature (Factory Setpoint)	°C	53	53	53
Maximum Temperature	°C	80	80	80
Max. Amount of water at 40°C in a run (St./En.)	L	-/242	317/321	369/374
Maximum Operation Pressure	bar	7	7	7
Number of Panels		1	1	1
Liquid Line	Pol.	1/4	1/4	1/4
Suction Line	Pol.	3/8	3/8	3/8
Electrical back-up power	W	1500	1500	1500
Gross Weight of Cylinder (St./En.)	Kg	-/83	93/69	74/95
Electrical Supply	V/Hz	230/50	230/50	230/50

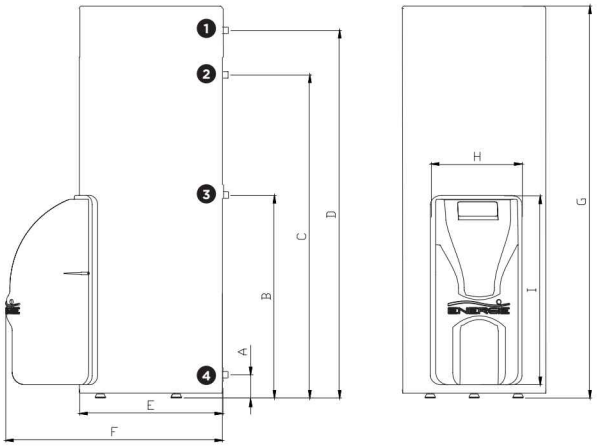
Equipment with fluid pre-charge
Easy Install
Economic Solar Solution

Technical Drawing



L-2000mm
H-800mm
P-20mm

● Steam Line
● Liquid Line



Dimensions (mm)	Eco 200esm	Eco 250i Eco 250esm	Eco 300i Eco 300esm
A	92	89	92
B	830	830	772
C	1161	1333/1341	1172
D	1289	1469	1315
E	580	580	650
F	880	880	950
G	1364	1543	1415
H	370	370	370
I	765	765	765

1 (Hot Water)	3/4" Male
2 (PT Valve) *	1/2" Female
3 (Recirculation)	3/4" Male
4 (Cold Water)	3/4" Male
5 (Coil Inlet)	-
6 (Coil Outlet)	-

* Optional

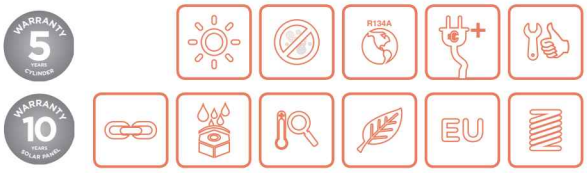
With flares valves on the solar panel and on the thermodynamic group.
With dielectric threads for water connections enameled cylinder (esm).

ENERGIE
THERMODYNAMIC SOLAR ENERGY

Thermodynamic Solar System
with one Solar Panel + Supplementary Coil

Specifications		Eco 250ix	Eco 300ix
Nominal Capacity	L	250	300
Thermal Power (Med/Max)	W	1690/2900	1690/2900
Power Consumption (Med/Max)	W	390/550	390/550
Temperature (Factory Setpoint)	°C	53	53
Maximum Temperature	°C	80	80
Max. Amount of water at 40°C in a run (St./En.)	L	308	360
Maximum Operation Pressure	bar	7	7
Number of Panels		1	1
Liquid Line	Pol.	1/4	1/4
Suction Line	Pol.	3/8	3/8
Electrical back-up power	W	1500	1500
Gross Weight of Cylinder (St./En.)	Kg	69	81
Electrical Supply	V/Hz	230/50	230/50

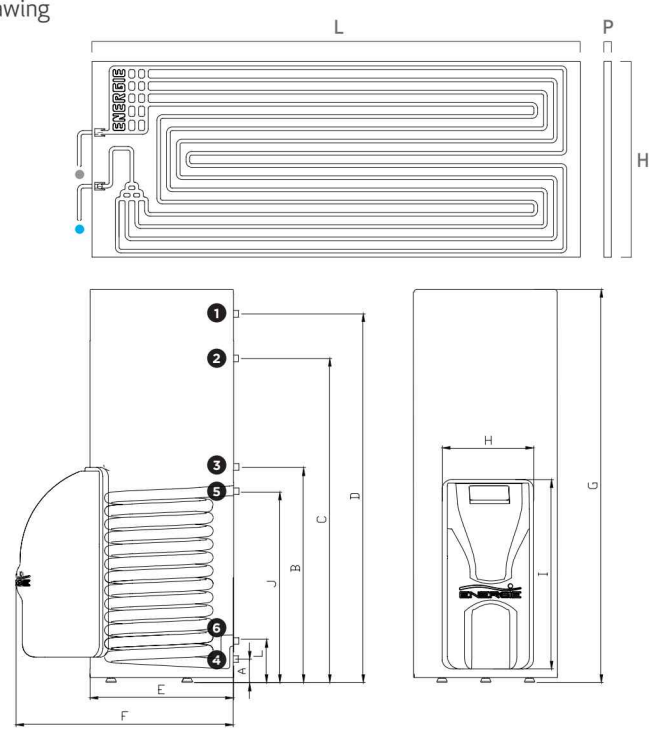
Allows the connection of another heat source
Easy Install
Equipment with fluid pre-charge



Technical drawing

L-2000mm
H-800mm
P-20mm

- Steam line
- Liquid line



With flares valves on the solar panel and on the thermodynamic group.

Dimensions (mm)	Eco 250ix	Eco 300ix
A	89	92
B	830	772
C	1333	1172
D	1469	1315
E	580	650
F	880	950
G	1543	1415
H	370	370
I	765	765
J	696	621
L	205	221

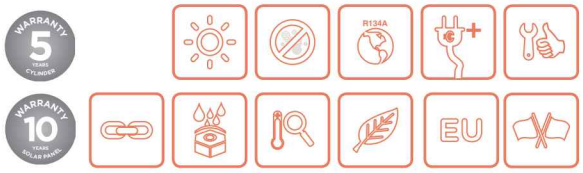
1 (Hot Water)	3/4" Male
2 (PT Valve)*	1/2" Female
3 (Recirculation)	1/2" Female
4 (Cold Water)	3/4" Male
5 (Coil Inlet)	1" Male
6 (Coil Outlet)	1" Male

* Optional

Thermodynamic Solar System
with two Solar Panels

Specifications		Eco 250is	Eco 300is Eco 300esms	Eco 500is
Nominal Capacity	L	250	300	449
Thermal Power (Med/Max)	W	2800/4550	2800/4550	2800/4550
Power Consumption (Med/Max)	W	595/890	595/890	595/890
Temperature (Factory Setpoint)	°C	53	53	53
Maximum Temperature	°C	80	80	80
Max. Amount of water at 40°C in a run (St./En.)	L	317/-	369/374	537/-
Maximum Operation Pressure	bar	7	7	7
Number of Panels		2	2	2
Liquid Line	Pol.	3/8	3/8	3/8
Suction Line	Pol.	1/2	1/2	1/2
Electrical back-up power	W	1500	1500	2500
Gross Weight of Cylinder (St./En.)	Kg	62/-	74/95	110/-
Electrical Supply	V/Hz	230/50	230/50	230/50

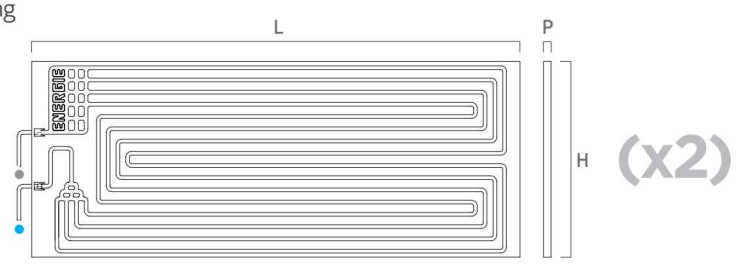
Superior Performance
Equipment with fluid pre-charge
Larger number of users



Technical Drawing

L-2000mm
H-800mm
P-20mm

● Steam line
● Liquid line



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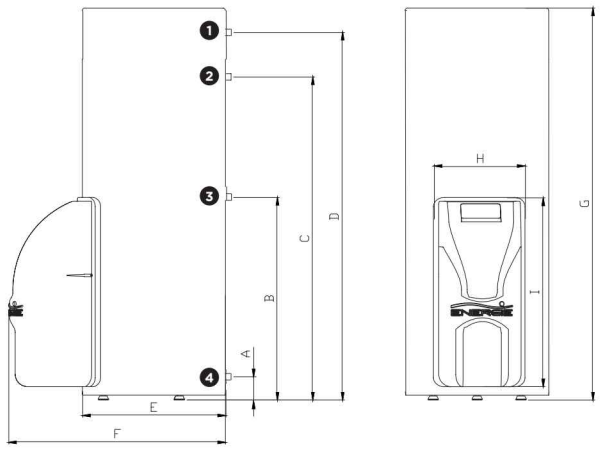


Dimensions (mm)	Eco 250is	Eco 300is Eco 300esms	Eco 500is
A	89	92	92
B	830	772	772
C	1333	1172	1760
D	1469	1315	1927
E	580	650	650
F	880	950	950
G	1543	1415	1995
H	370	370	370
I	765	765	765

	Eco250is 300is/300esms	Eco500is
1 (Hot Water)	3/4" Male	1" Male
2 (PT Valve) *	1/2" Female	1/2" Female
3 (Recirculation)	3/4" Male	3/4" Male
4 (Cold Water)	3/4" Male	1" Male
5 (Coil Inlet)	-	-
6 (Coil Outlet)	-	-

*Optional

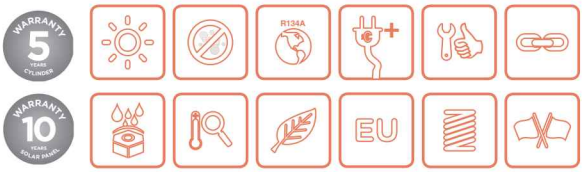
Includes Liquid Distributor.
With dielectric threads for water connections enameled cylinder (esm).

ENERGIE
THERMODYNAMIC SOLAR ENERGY

Thermodynamic Solar System
with two Solar Panels + Supplementary Coil

Specifications		Eco 250isx	Eco 300isx	Eco500isx
Nominal Capacity	L	250	300	440
Thermal Power (Med/Max)	W	2800/4550	2800/4550	2800/4550
Power Consumption (Med/Max)	W	595/890	595/890	595/890
Temperature (Factory Setpoint)	°C	53	53	53
Maximum Temperature	°C	80	80	80
Max. Amount of water at 40°C in a run (St./En.)	L	308	360	525
Maximum Operation Pressure	bar	7	7	7
Number of Panels		2	2	2
Liquid Line	Pol.	3/8	3/8	3/8
Suction Line	Pol.	1/2	1/2	1/2
Electrical back-up power	W	1500	1500	2500
Gross Weight of Cylinder (St./En.)	Kg	69	81	117
Electrical Supply	V/Hz	230/50	230/50	230/50

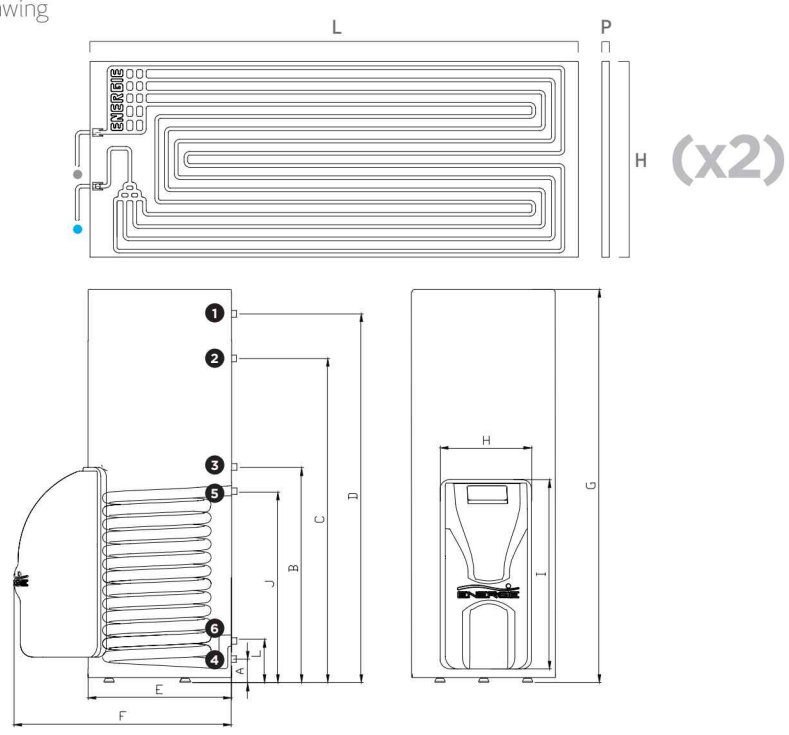
Superior Performance
Equipment with fluid pre-charge
Larger number of users
Allows the connection of another heat source



Technical Drawing

L-2000mm
H-800mm
P-20mm

- Steam line
- Liquid line



Dimensions (mm)	Eco 250isx	Eco 300isx	Eco 500isx
A	89	92	92
B	830	830	772
C	1333	1172	1760
D	1469	1315	1927
E	580	650	650
F	880	950	950
G	1543	1451	1995
H	370	370	370
I	765	765	765
J	696	621	1515
L	205	221	625

	Eco 250isx/300isx	Eco500isx
1 (Hot water)	3/4" Male	1" Male
2 (PT valve)*	1/2" Female	1/2" Female
3 (Recirculation)	1/2" Female	1/2" Female
4 (Cold water)	3/4" Male	1" Male
5 (Coil Inlet)	1" Male	1" Male
6 (Coil Outlet)	1" Male	1" Male

*Optional

Includes Liquid Distributor.

Accessories included in the equipment

Steel profiles to put up the panel (small and large sizes)

Safety group

Pressure reducing valve and manometer

M6 Screws + washers + panel setting rawlplug

List of equipment from the range

Model	No. of Panels	Enamelled	Stainless	Extra Coil	Litres	No. of People
Eco 200esm	1	x			200	4
Eco 250esm	1	x			250	4
Eco 300esm	1	x			300	5
Eco 250i	1		x		250	4
Eco 300i	1		x		300	5
Eco 250ix	1		x		250	4
Eco 300ix	1		x		300	5
Eco 300esms	2	x			300	6
Eco 250is	2		x		250	5
Eco 300is	2		x		300	6
Eco 500is	2		x		455	9
Eco 250isx	2		x		250	5
Eco 300isx	2		x		300	6
Eco 500isx	2		x		455	9