DESIGN, DEVELOPMENT
AND EUROPEAN MANUFACTURING

RENEWABLE ENERGY

ENERGIE®
THERMODYNAMIC SOLAR ENERGY

AQUAPURA MONOBLOC

ECONOMY | COMFORT | ECOLOGY

HEAT PUMPS FOR DOMESTIC HOT WATER

STAINLESS STEEL CYLINDER

We select the best components and subject our systems to rigorous quality testing to ensure maximum customer satisfaction

WARRANTY 5 YEARS CYLINDER

Check warranty conditions

AQUAPURA MONOBLOC

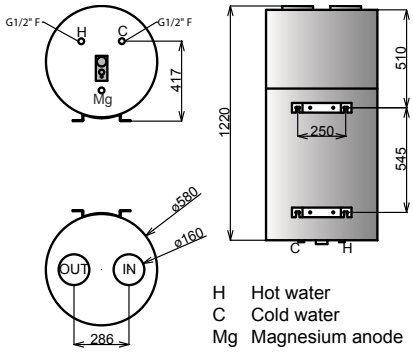
MINIMUM SPACE INSIDE YOUR HOUSE

HIGH EFFICIENCY LEVEL

WORKS WITH PV SYSTEMS

ADVANTAGES AQUAPURA MONOBLOC

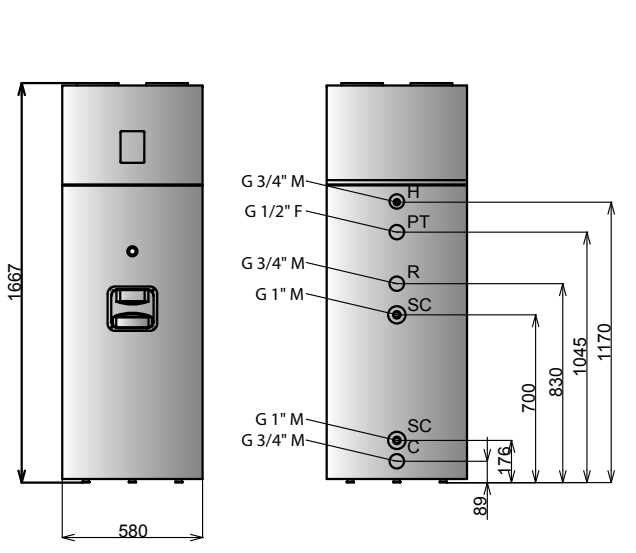
- Quiet operation
- High performance
- Energy savings
- Stainless steel cylinder
- Respect to the environment
- Work up to -5°c
- 55°c water temperature even during winter



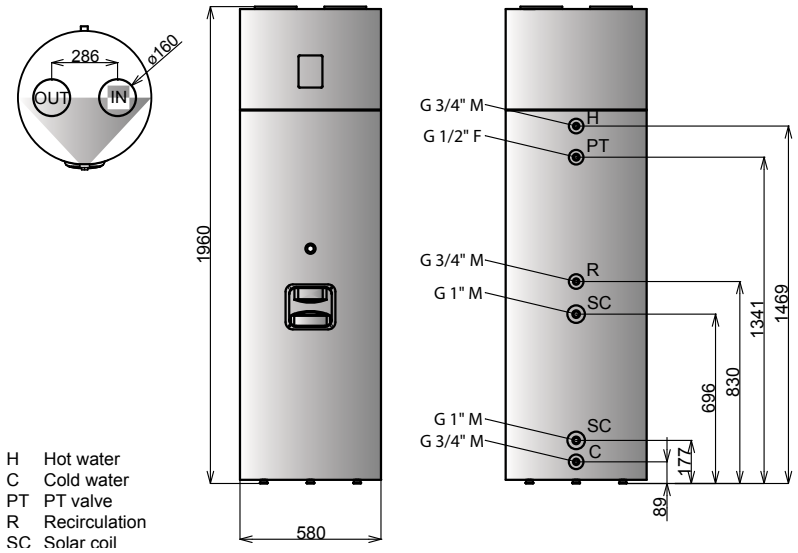
H Hot water
C Cold water
Mg Magnesium anode

120ip

TECHNICAL DRAWING



200i | 200ix



H Hot water
C Cold water
PT PT valve
R Recirculation
SC Solar coil

250i | 250ix

ELECTRONIC CONTROLLER

ECO - The equipment only works as heat pump.
AUTO - The equipment works as a heat pump and with electrical elements should it be required.
BOOST - The equipment works simultaneously as a heat pump with the electrical element.
VACATIONS - Allows the user to setup a certain number of days on which the system will be off. On the last days the system will perform a anti-legionella cycle.
DISINFECT - Heating cycling at a higher temperature in order to disinfect the water (legionella) May be programed automatically or manual.
PV FUNCTION - Increases the water temperature set point when PV in producing electricity heating water for free.

EASY TO INSTALL

DEHUMIDIFIES THE AIR

ANTI LEGIONELLA FUNCTION

LEGEND

1. Color LCD
2. ON/OFF
3. Menu
4. Compressor ON/OFF
5. Electrical Element
6. Anti-Legionella
7. Enter

TECHNICAL FEATURES

TECHNICAL DATA		120ip	200i	200ix	250i	250ix
Power Supply	V~/Hz	220-240/50	220-240/50	220-240/50	220-240/50	220-240/50
Thermal Power	W	1800	1800	1800	1800	1800
Electrical Power	W	400-700	400-700	400-700	400-700	400-700
COP EN255-3 | EN16147	COP*	3.75/2.9	3.8/3.0	3.5/2.9	3.5/2.9	3.5/2.9
Electrical Element	W	1500	1500	1500	1500	1500
Maximum Operating Pressure	bar	7	7	7	7	7
Sound Level @ 2m	dB	37	37	37	37	37
Refrigerant Fluid		R134a	R134a	R134a	R134a	R134a
DIMENSIONS | WEIGHT | CONNECTIONS						
Dimensions Ø/H	mm	580/1220	580/1667	580/1955	580/1955	580/1955
Weight	KG	67	73	88	80	88
Air Vent Diameter	mm	160	160	160	160	160
Cold Feed & Hot Water Diameters		1/2"	3/4"	3/4"	3/4"	3/4"
HOT WATER CYLINDER						
Nominal Capacity	l	120	200	200	250	242
Material		Stainless Steel**				
Insulation		High Density ***				
Corrosion Protection		Magnesium Anode				
Auxiliary Coil (Comp./Ø)	m/mm	-	-	10/25	-	10/25
Auxiliary Coil Hydraulic Connections		-	-	1"	-	1"
WORKING CONDITIONS						
Outside Air Temperature Min/Max	ºC	-5/40	-5/40	-5/40	-5/40	-5/40
Maximum Water Temperature - Eco Mode	ºC	55	55	55	55	55
Maximum Water Temperature - Boost Mode	ºC	70	70	70	70	70

* Water temperature raised from 10ºC up to 54ºC. Air temperature 7ºC. | **High Corrosion Resistance | *** 60mm Thickness

WARRANTY 5 YEARS CYLINDER

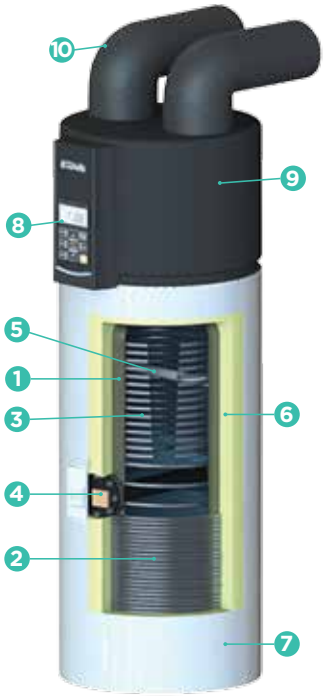
Check warranty Conditions

AQUAPURA MONOBLOC

SIMPLE INSTALLATION LIKE A HEATER

POSSIBILITY OF DEHUMIDIFY AND COOL SMALL SPACES

MODELS WITH AND WITHOUT COIL



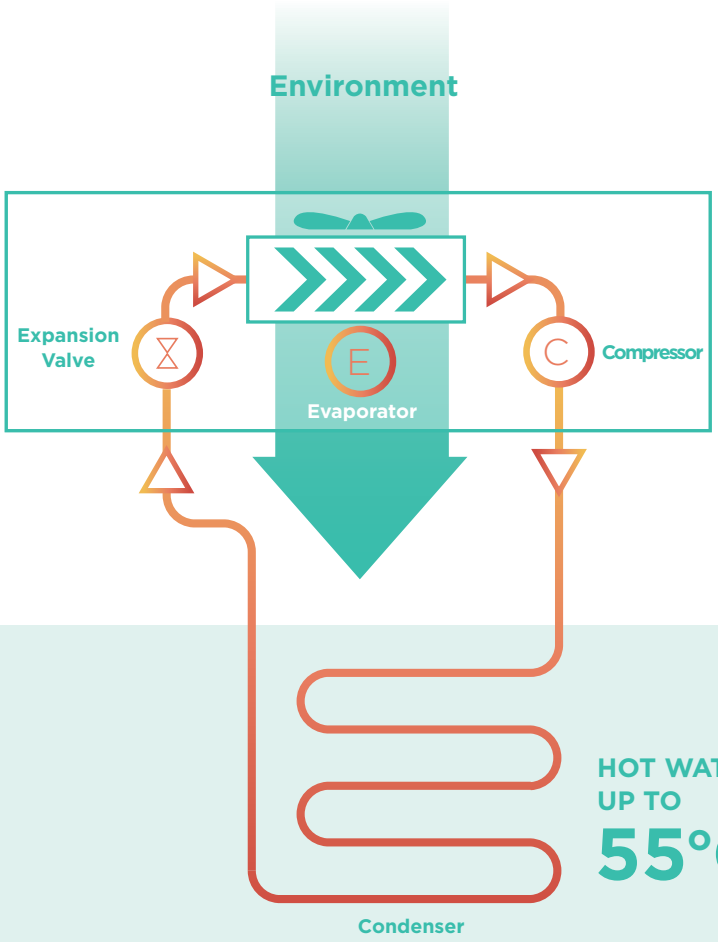
1. DHW Cylinder
2. Condenser (Coil)
3. Optional Supplementary Coil
4. Ceramic resistance + Thermostat + Sensor
5. Magnesium Anode
6. High Density Insulation
7. Outside Coating
8. Electronic Controller
9. Heat Pump Unit
10. Ducts not Included

Equipment

Model	Stainless	Thermal Power W(Med/Max)	Power Consumption W(Med/Max)	Electrical Supply V/Hz	Extra Coil	Liters	No. of People
APM 300i	x	2100/3000	830/1149	230/50		295	6
APM 300ix	x	2100/3000	830/1149	230/50		295	6

AQUAPURA

This new generation offers innovation and new technical features bringing exceptional performance and quality to Aqupura DHW heat pump.
This product was designed to get an optimal regulation of domestic water heating. The heat pump is a modern, efficient and clean solution that guarantees comfort in your home, always respecting the environment. It is an intelligent way of using nature's resources to improve your quality of life. In adopting this solution you will be doing a serious commitment on reducing green house gases to atmosphere thus contributing to the natural balance of the planet.



DOMESTIC HOT WATER

HOT WATER UP TO 55°C

WORKING PRINCIPLE

There is a cooling liquid that is pumped to an outdoor heat exchanger (evaporator). Here the liquid, with the help of a fan, absorbs the energy from the atmosphere to the temperature differential obtained outdoors. During this process, the liquid changes to a gaseous state.
The gaseous state is sucked in by the mechanical part of the system, the compressor. Here it is compressed, the pressure goes up and consequently the liquid temperature increases.
After this, the liquid travels to a second inside heat exchanger (condenser) and transfers heat to the water in the cylinder. The fluid goes into liquid state by cooling down. The liquid pressure is reduced due to a strangulation that happens in the expansion valve and the process starts again.

UP TO 75% FREE ENERGY

More detailed information on **energie.pt**

Authorized Dealer

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