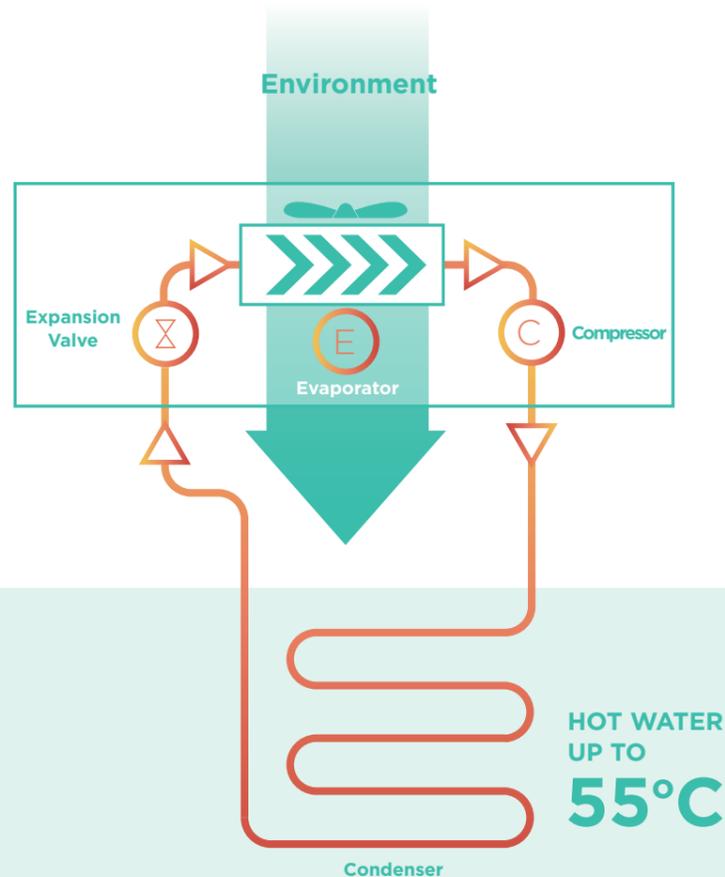


# AQUAPURA

This new generation offers innovation and new technical features bringing exceptional performance and quality to Aquapura 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



## 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

Authorized Dealer



More detailed information on [energie.pt](http://energie.pt)



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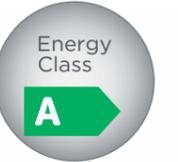
Project co-financed by:



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R3V0/01/2016

DESIGN, DEVELOPMENT  
AND EUROPEAN MANUFACTURING



**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



Check warranty conditions



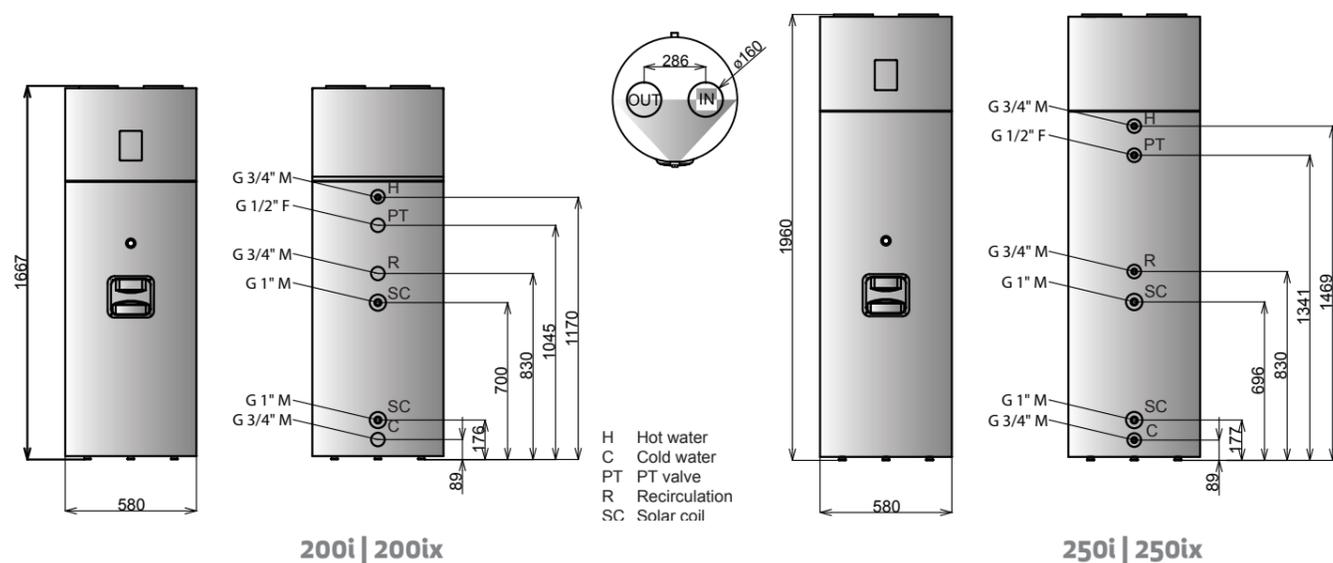
# AQUAPURA MONOBLOC

- 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

## TECHNICAL DRAWING



## 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.

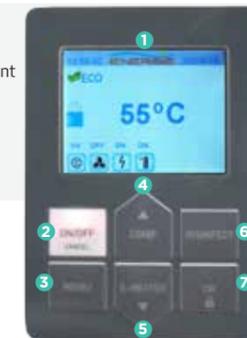
**DISINFECT** - Heating cycling at a higher temperature in order to disinfect the water (legionella) May be programed automatically or manual.

**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
Electrical Element	W	1500	1500	1500	1500	1500
Cop En255-3/En16147	COP	2.4/2.6	2.9/3.1	2.9/3.1	2.9/3.2	2.9/3.2
Heating Time*(EN16147)	h:mm	03:41	05:23	05:23	06:46	06:46
Amount of water removed at 40 °C in one extraction (EN16147)	l	162,4	242	241,2	314,6	313,1
Sound Level @ 2m	dB	51	51	51	51	51
Refrigerant Fluid		R134a	R134a	R134a	R134a	R134a
ErP READY	ErP Class	A+	A+	A+	A+	A+
	Tapping Profile	M	L	L	XL	XL

DIMENSIONS   WEIGHT   CONNECTIONS		120ip	200i	200ix	250i	250ix
Dimensions Ø/H	mm	580/1220	580/1667	580/1667	580/1960	580/1960
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		120ip	200i	200ix	250i	250ix
Nominal Capacity	l	120	200	200	250	242
Maximum Operating Pressure	bar	7	7	7	7	7

Material	Stainless Steel <sup>***</sup>					
Insulation	High Density <sup>****</sup>					
Corrosion Protection	m/mm Magnesium Anode					
Auxiliary Coil (Comp./Ø)	-	-	10/25	-	10/25	-
Auxiliary Coil Hydraulic Connections	-	-	1"	-	1"	-

WORKING CONDITIONS		120ip	200i	200ix	250i	250ix
Outside Air Temperature Min/Max	°C	-5/40	-5/40	-5/40	-5/40	-5/40
Maximum Water Temperature - Eco Mode	°C	55	55	55	55	55
Maximum Water Temperature - Boost Mode	°C	70	70	70	70	70

EN16147: Water heating from 10 °C to 54 °C

\* Water temperature raised from 10°C up to 54°C. Air temperature 7°C. |<sup>\*\*\*</sup>High Corrosion Resistance |<sup>\*\*\*\*</sup> 60mm Thickness