

GREEN 200

Water heater in monobloc heat pump with domestic hot water storage tank



GREEN 200
in heat pump
and electrical
resistance



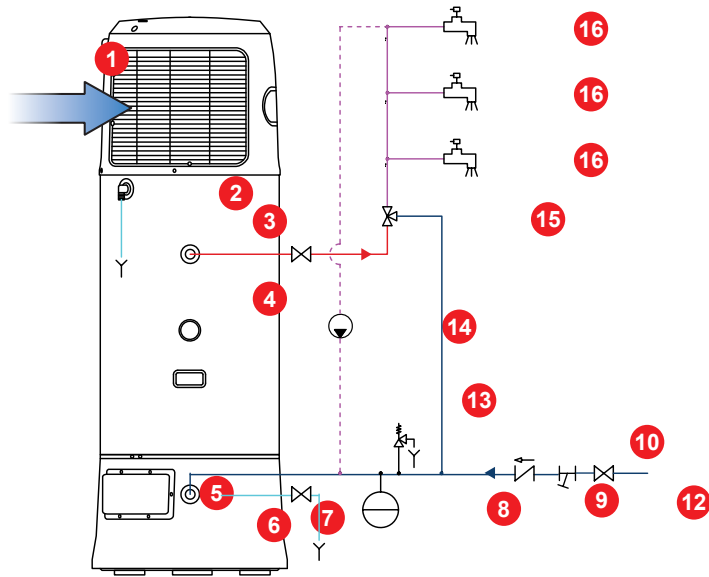
GREEN 200 S
GREEN 200 2S
with auxiliary serpentine
or double serpentine for use
in combination with solar panels
and / or biomass / gas

Model	Code	€
GREEN 200 water heater in heat pump	37010402	2.530,00
GREEN 200 S heat pump in heat pump with auxiliary coil	37010403	3.090,00
GREEN 200 2S water heater in heat pump with double coil	37010404	3.350,00

GREEN 200

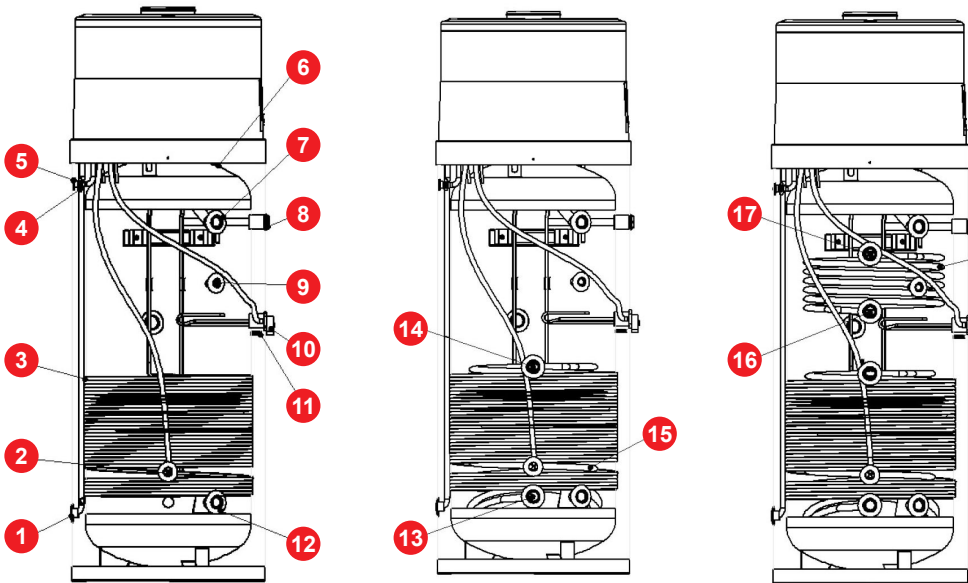
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Diagram of the GREEN 200 hydraulic connections



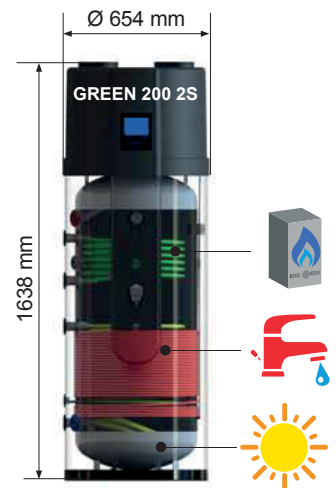
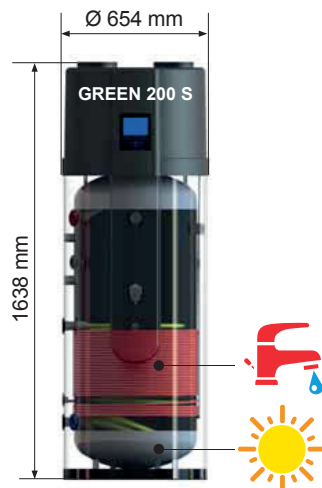
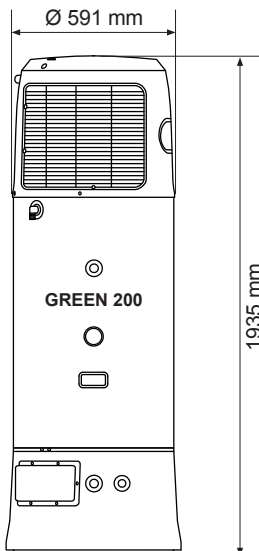
- 1 Air intake
- 2 Condensate drain
- 3 Hot water outlet
- 4 Magnesium anode
- 5 Electric box
- 6 Cold water inlet
- 7 Tank drain
- 8 Expansion vessel
- 9 Non-return valve
- 10 Y filter
- 11 Water network
- 12 Gate valve
- 13 Safety valve
- 14 Optional recirculation
- 15 Optional mixing machine
- 16 Utilities for domestic hot water

Descrizione dei componenti principali GREEN 200 S - 200 2S



- 1 Scarico di condensa
- 2 Temperatura del serbatoio più bassa
- 3 Scambiatore di calore in alluminio a pompa di calore
- 4 Foro per cavi ausiliari
- 5 Foro per l'alimentazione
- 6 Temperatura serbatoio superiore + termostato T85 °C
- 7 Uscita acqua calda
- 8 Anodo di magnesio anticorrosione
- 9 Connessione dell'acqua di circolazione
- 10 Resistenza elettrica ausiliaria 1200 W con termostato integrato
- 11 Messa a terra
- 12 Ingresso acqua fredda
- 13 Uscita acqua solare
- 14 Ingresso acqua solare
- 15 Batteria scambiatore solare
- 16 Uscita della fonte di calore ausiliaria
- 17 Ingresso della fonte di calore ausiliaria
- 18 Batteria scambiatore ausiliario di calore

Description of the main components GREEN 200 S - 200 2S



GREEN 200

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Technical data table for water heaters in GREEN 200 heat pump

Model	U.M.	GREEN 200
Tank volume	l	200
Nominal thermal power ⁽¹⁾	W	1500
Rated electrical absorption ⁽¹⁾	W	429
Nominal hot water production capacity ⁽¹⁾	l/h	32
COP (nominal) ⁽¹⁾	W/W	3,50
COP DHW ⁽²⁾	W/W	3,43
Test cycle profile ⁽²⁾		I
Hot water volume at 40 °C ⁽²⁾	l	214
Energy Efficiency Class3		A
Degree of protection		IPX4
Adjustment interval T. hot water	°C	35~70 (55 default)
Electrical data	Power supply	220V/1/50Hz
	Integrative electrical resistance	W
	Maximum absorption (including resistance)	W
	Isolation level	I
Refrigerant	Guy	R134A
	Quantity	kg
Compressor		Rotativo ON/OFF
Dimensions	Units Ø x H	mm
	Packaging L x P x H	mm
Net weight/gross weight	kg	79/100
Sound power level	dB(A)	60
Sound pressure level at 1 m dB(A)	dB(A)	50
Tank	Tank material	INOX
	DHW hydraulic connections	G1/2"
	Magnesium anode	G3/4"
	Maximum working pressure	bar
Air intake	Field of work	°C
	Nominal air flow (without canalization)	m ³ /h
	Sewer	not allowed

1) Conditions: intake air 20 °C BS (15 °C WB), water inlet 15 °C / outlet 55 °C

2) Test according to EN16147; air 20 °C

3) Directive 2009/125 / EC - ERP EU n. 814/2013

Technical data table for water heaters in heat pump GREEN 200 S - 200 2S

Models	U.M.	GREEN 200 S	GREEN 200 2S
Tank volume	l	220	217
power ⁽¹⁾	W		1870 (+1200*)
Absorbed power ⁽¹⁾	W		503 (+1200*)
Current consumption ⁽¹⁾	A		2,23 (+5,2*)
COP	W/W		3,72
Energy efficiency ⁽²⁾			A
Max water temperature	°C		75*
Diameter of conduit ⁽³⁾	mm		177
Auxiliary resistance	kW		1,2
Power supply			220V/1/50Hz
Solar serpentine surface	m ²		1,2
Auxiliary exchanger surface	m ²	-	0,5
Protection class			IPX1
Sound power level ⁽⁴⁾	dB(A)		26
Net weight	kg	113	121

(*) In relation to the additional heater.

During disinfection, the water temperature is raised to 70 °C by the auxiliary electric heater.

(1) Power and absorption at the following conditions: ambient temperature 20 °C, water temperature from 15 °C to 55 °C (data obtained from internal laboratory tests on uniform reintegration of the tank temperature).

(2) Energy efficiency class of water heating, discharge profile L. It refers to indoor air (+20 °C). Reg. EU 812/2013

(3) The conduit can be reduced from 177 mm to 160 mm by means of a reduction inserted at the end of the pipeline.

(4) Measured according to EN 12102 in free field at 10 m from the unit.