

# ABGEO

Floor-standing gas water heater with natural draft storage and electronic ignition for industrial use



## Technical and construction features

The upgraded industrial gas water heater has been designed to solve the need for hot water at the cheapest price for large consumers (sports centers, hospitals, large communities, campsites, hotels, retirement homes, gyms, saunas, etc.). The appliance consists of a water storage tank in electro-welded steel and covered with porcelain glass to protect it from water corrosion. The tank is contained in a painted metal casing within which the thermal insulation material is enclosed. The heating takes place by means of an atmospheric gas burner placed in the inner side of the appliance and inserted inside the combustion chamber obtained in the lower cap of the tank.

The smoke evacuation pipe departs from this and runs through the tank along its entire length.

The operation of the burner takes place by means of the thermostatic safety valve located on the side of the appliance. This valve performs the following functions:

- Adjustment of the water temperature in the tank;
- Interruption of the gas supply when a

accidental shutdown of the burner;

- Interruption of the gas supply, through the appropriate autonomous device, when the temperature of the water or the appliance itself should rise excessively for any abnormal operation;

- Interruption of the gas supply in case of intervention by the smoke evacuation control device. The ABGEO gas water heater is characterized by:

### BOILER

- Constructed from high-thickness and premium steel sheet quality, which ensures greater resistance to limescale thanks to an accurate glass coating

### EXTERNAL ENCLOSURE

- In pre-painted sheet metal

### BURNER

- In stainless steel. Supplied with the kit of nozzles for gas transformation - Ignition and detection electrodes for the safety of the gas flow to the burner
- Electric valve equipped with pressure regulator and valve safety that blocks the gas escape in case of flame failure

### ISOLATION

- Made with glass wool mats that ensure a uniform insulation
- In the 1500 and 2000 liter models, galvanizing is carried out a hot.



DHW



INDUSTRIAL  
USE



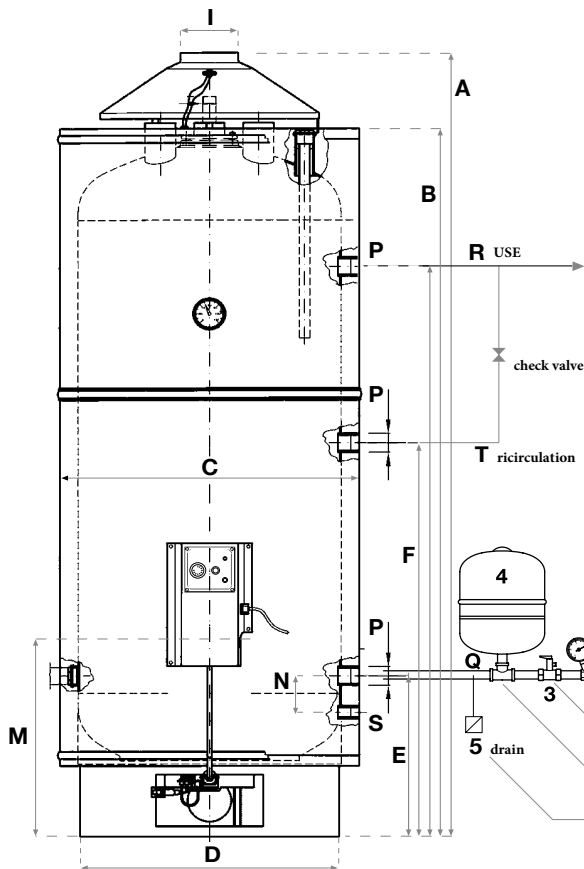
GAS  
BOILER

Model	Code	€
<b>ABGEO 1000</b>	<b>37302007</b>	<b>9.400,00</b>
<b>ABGEO 1500</b>	<b>37302008</b>	<b>12.660,00</b>
<b>ABGEO 2000</b>	<b>37302009</b>	<b>14.100,00</b>

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## Dimensions and description of water heater ABGEO



MODEL	ABGEO	ABGEO	ABGEO
LITRI	1000	1500	2000
A	2220	2180	2300
B	2020	1900	2100
C	990	1290	1290
D	900	1200	1200
E	460	340	340
F	1070	840	940
G	1680	1400	1800
I	160	160	160
M	720	450	450
N	120	120	120
P	1"1/4	1"1/4	1"1/4
Q	COLD_WATER INLET 1 - SHUT-OFF VALVE 2 - PRESSURE REDUCER 3 - SAFETY VALVE 4 - EXPANSION VESSEL		
R	HOT WATER OUTLET		
S	DRAIN FITTING - 1/2 "5 - DRAIN TAP		
T	FITTING FOR RECIRCULATION		

Values in mm

## Water heater technical data table ABGEO

DESCRIPTION	U.M.	ABGEO 1000	ABGEO 1500	ABGEO 2000
Real appliance capacity	l	957	1479	1950
Nominal heat output	kW		30,0	
Useful thermal power	kW		26,1	
Ø Smoke evacuation pipe	mm		150	
Max water pressure	bar		6	
Warm-up time at 45 °C	min.		56	
Continuous withdrawal at 45 °C	l/h		741	
Warm-up time at 60 °C	min.	103	158	210
Continuous withdrawal at 60 °C	l/h		494	
Power supply			230V/1/50Hz	

### Methane G20 - pression 20 mbar

Consumption	m <sup>3</sup> /h		3,17	
Ø Burner nozzle	mm		2,65 x 3	
Pressure at the burner	mbar		12,7	
Mass flow of fumes	g/s		23,0	

### LPG G30/G31 30/37 mbar

Consumption	Kg/h		2,00	
Ø Burner nozzle	mm		1,55 x 3	
Mass flow of fumes	mbar		23,7	
Weight with packaging	Kg	285	350	420