

# HeatMaster® 201

High performance combined boiler and water heater with fully modulating burner technology.



The HeatMaster is a high performance hot water producer: its annular Tank-in-Tank holds a volume of hot water for peak demand. This combines the advantages of a hot water producer with integrated storage and of an instantaneous water heater, while avoiding the disadvantages of space, cost and efficiency.

The HeatMaster has a primary circuit and can therefore also be used as a central heating boiler.

As with all ACV stainless steel Tank-in-Tank products, it can operate at high temperatures.

## Operating Conditions

Cold water	t°	10°C
Hot water	t°	40°C
Heating water	t°	90°C



## Exceptional Performance

The MCBA electronic controller regulates the boiler (start-up, safety, modulation), the shunt pump and the heating pump in response to hot water and heating demand. The MCBA offers numerous advanced features:

- A large burner modulation range - down to less than 30%
- The hot water tank is always kept at an optimum temperature
- Excellent hot water performance
- Energy efficiency is optimised in both hot water and heating modes.

## Product Features

- High performance **fully modulating** combined boiler and water heater
- Stainless steel Tank-in-Tank design
- Low-NOx premix natural gas/LPG modulating burner, from 56 to 214 kW
- Can also be used as a stand-alone water heater
- Anti-Legionellae: hot water stored at a consistently high temperature
- Built-in primary circuit shunt pump
- Fully insulated with 50mm rigid polyurethane foam
- Stove enamelled casing
- Control panel including digital MCBA controller complete with self diagnostic system and combined temperature and pressure gauge
- Up to 3534 litres of hot water at 60°C in one hour
- Vented or unvented use, with mains pressure SystemPaks available

**JUMBO 1000 HeatMaster® 201**

**4010 L**  
of hot water in 10'

**8955 L**  
of hot water in  
the first hour

## Technical Data

HeatMaster® 201		
Fuel		Natural gas/LPG
Burner options	type	BG2000-M
Input - heating	kW	60 to 220
Input - hot water	kW	60 to 240
Output - heating	kW	56.4 to 200.2
Output - hot water	kW	56.4 to 218.4
Primary capacity	L	241
Total capacity	L	641
Heating surface area	m <sup>2</sup>	5.3
Primary circuit pressure drop	mbar	240
DHW tank pressure drop	mbar	190
Flue circuit pressure drop	mbar	2.9
DHW connection (male BSP)	Ø	2"
Primary connection (female BSP)	Ø	2"
Flue connection	Ø mm	250mm
Weight empty	Kg	550
Weight full	Kg	1191
Minimum working gas pressure	mbar	20/37
Gas flow rate	m <sup>3</sup> /h	25.4/9.81
Maximum operating temperature	°C	90
Maximum operating pressure Primary: 3 bar Secondary: 10 bar		
Gas connection - 1 <sup>1</sup> / <sub>4</sub> "		

## Performance Data

HeatMaster® 201		
Litres in first 10 minutes	40°C	1745
Litres in first 10 minutes	45°C	1489
Litres in first 10 minutes	60°C	971
Litres in first hour	40°C	6690
Litres in first hour	45°C	5667
Litres in first hour	60°C	3534
Continuous flow 40°C	Ltrs/hr	6117
Continuous flow 45°C	Ltrs/hr	5039
Continuous flow 60°C	Ltrs/hr	2914
Reheat time to 60°C	Min	10.5

**Note:** The above performances are based on the hot water being blended at point of use, with a boiler temperature of 90°C and a domestic cold water inlet of 10°C.

## Dimensions

