

# HeatMaster® 200

High performance heating and hot water generator. Can also be used as a stand alone hot water generator capable of operating at an elevated temperature.



## HeatMaster® 200 N

- High performance water heater
- Performance:
  - 1570 litres in 10'
  - 4920 litres in 60'
  - 4020 litres continuous flow
- Compatible with pressure jet and forced draught burner
- Maximum output 141.7kW
- For greater output on gas see page 22 (HeatMaster 201)

## HeatMaster® 200 F

- High performance water heater
- Performance:
  - 1675 litres in 10'
  - 5976 litres in 60'
  - 5161 litres continuous flow
- Supplied with Riello RG4S 396 T1 fuel burner
- Maximum output 180.3kW

## Tank-in-Tank type exchanger/accumulator

The HeatMaster® series differs from traditional hot water generators because of the annular tank immersed in the primary fluid contained in the outer body. The inner tank is itself a stainless steel heat exchanger with a large surface area that enables the water to be heated very quickly.

## Self-descaling

The tank has freedom of movement: its walls expand and contract with the changes in pressure thus preventing scale forming on the walls. Finally, the cold water injected strikes against the bottom of the tank and carries all suspended particles into the system, helping to prevent deposits forming in the tank. This unique self-descaling feature ensures that the boiler always operates with maximum efficiency.

## Features

- Very high performance combined boiler and water heater
- Stainless steel Tank-in-Tank design
- Choice of burner:
  - Forced draught natural gas or LPG
  - Pressure jet 35 sec oil
- 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 pumps
- Fully insulated with very thick mineral wool
- Stove enamelled casing
- Control panel including thermostats, combined temperature and pressure gauge, indicators and on/off switch
- 178 kW output and up to 3348 litres of hot water at 60°C in one hour
- Vented or unvented use, with mains pressure SystemPaks available
- Anti-stratification pumps as standard

## Technical Data

		HeatMaster® 200N	HeatMaster® 200F
Fuel		Gas/LPG	Oil
Burner options		Forced draught	Riello RG4S
Input	kW	154	196
Maximum output	kW	141.7	180.3*
Primary capacity	L	241	241
Total capacity	L	641	641
Heating surface area	m <sup>2</sup>	5.3	5.3
Primary circuit pressure drop	mbar	240	240
DHW tank pressure drop	mbar	190	190
Flue circuit pressure drop	mbar	1.5	1.5
DHW connection (male BSP)	Ø	2"	2"
Primary connection (female BSP)	Ø	2"	2"
Flue connection	Ø mm	250	250
Weight empty	Kg	530	530
Weight full	Kg	1171	1171
Maximum operating temperature	°C	90	90
35 seconds Oil flow rate	L/h	–	15.16
Gas flow rate	m <sup>3</sup> /h	23/9	–

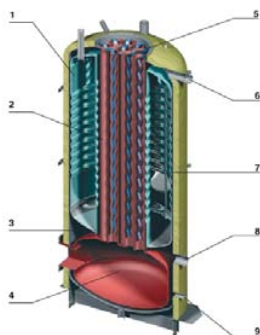
\*The HeatMaster 200F outputs can only be reached if the boiler is fitted with a RIELLO RG4S 396 T1 fuel burner  
Maximum operating pressure Primary: 3 bar Secondary: 10 bar

## Performance Data

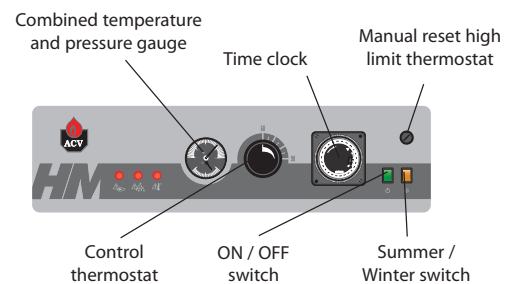
		HeatMaster® 200N	HeatMaster® 200F
Litres in first 10 minutes	40°C	1570	1675
Litres in first 10 minutes	45°C	1350	1444
Litres in first 10 minutes	60°C	915	961
Litres in first hour	40°C	4920	5976
Litres in first hour	45°C	4221	5131
Litres in first hour	60°C	2925	3126
Continuous flow 40°C	Ltrs/hr	4020	5161
Continuous flow 45°C	Ltrs/hr	3446	4424
Continuous flow 60°C	Ltrs/hr	2412	2598

**Please Note:** Performance data assumes a primary flow temperature of 90°C and a domestic cold water supply of 10°C

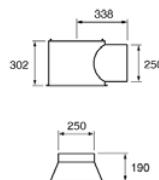
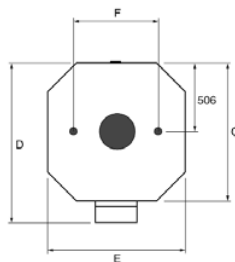
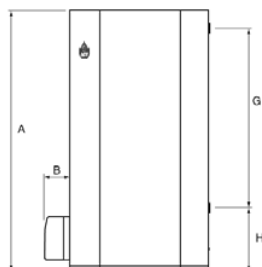
## Characteristics



1. "Tank-in-Tank" type storage exchanger
2. Flue ways
3. Primary circuit
4. Combustion chamber
5. Turbulators
6. Heating outlet
7. Stainless steel pocket
8. Heating return
9. Boiler drain cock



## Dimensions



	HeatMaster® 200 Oil	HeatMaster® 200 Gas/LPG
A	2085mm	2085mm
B	–	190mm
C	1020mm	1020mm
D	–	1210mm
E	1020mm	1020mm
F	600mm	600mm
G	1383mm	1383mm
H	590mm	590mm

High efficiency combination boilers