

# MAXXflo Condensing Water Heater

The MAXXflo is a range of fully condensing, fully modulating stainless steel water heaters. Its unique design offers up to four fully modulating burners. This offers built-in redundancy for outputs of 60kW and above, to ensure an uninterrupted, virtually instant supply of up to 1920 litres per hour of hot water.

It's available in outputs of 30kW, 60kW, 90kW and 120kW, and multiple heaters can be installed where even greater volumes of hot water are required. Each output is available with tank capacities of 200 or 300 litres.



## Technical Specification



## Features

- Up to four modulating burners
- Recovery rates of up to 1920 litres of hot water per hour
- 98% gross efficiency
- Fully automatic electronic control with Building Management System (BMS) interface as standard
- Built-in high temperature anti-legionella program
- WRAS approved and Energy Technology Listed

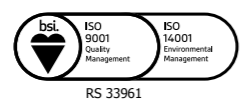
## Benefits

- The optimum amount of gas is used to maximise energy efficiency, cost savings and built-in redundancy for outputs of 60kW and above
- Ensures continuous supply of hot water and can satisfy the most demanding hot water applications
- Energy efficient, cost effective operation
- Easy integration into the Building Management System
- Safety and protection against legionella
- Complies with the Water Supply (Water Fittings) Regulations and Scottish Byelaws and qualifies for the Government Enhanced Capital Allowance scheme

All the technical information you need is easy to find on our website, using your smart phone, tablet or PC:

- BIM files
- CAD files
- Brochures
- Technical specification sheets
- Case studies
- Installation manuals
- User guides
- Size-It Tool

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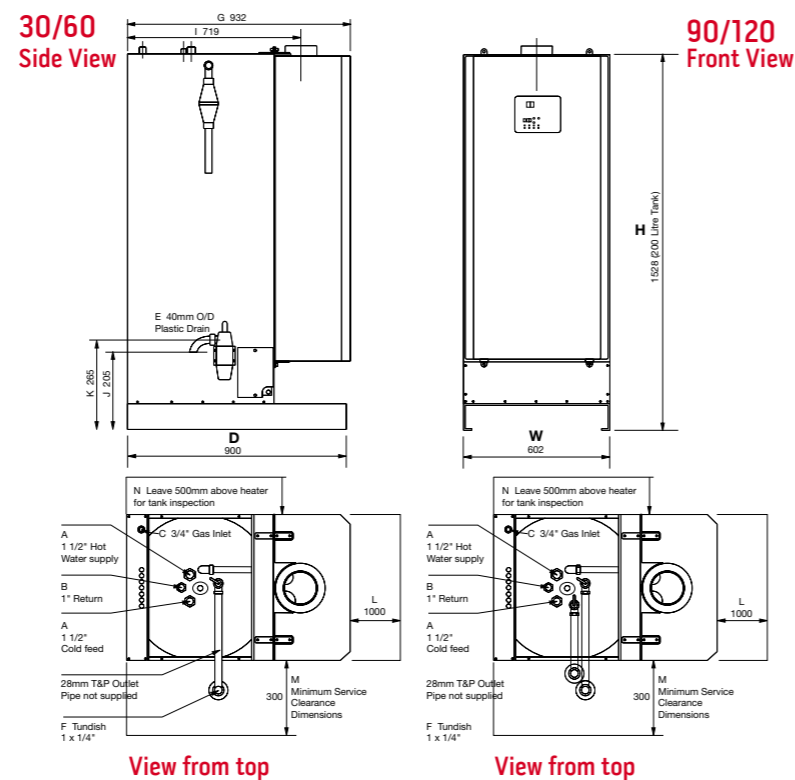
## Specifications

			Model			
			30/200	60/200	90/200	120/200
			30/300	60/300	90/300	120/300
Energy	Heat input (gross)	kW	31.1	62.2	93.3	124.4
	Heat output	kW	30	60	91	122
	Gross thermal efficiency (EN89)	%	98	98	98	98
	Standby heat loss	Mj/month	780	780	780	780
	NOx emissions (0% O <sub>2</sub> )	mg/kWh	44	44	44	44
	NOx emissions (0% O <sub>2</sub> )	ppm	25	25	25	25
ErP	ErP efficiency rating		A	A	A	A
Gas data	Gas flow rate (natural gas)	m <sup>3</sup> /h	2.96	5.93	8.89	11.85
	Gas flow rate (propane)	kg/h	2.18	4.35	6.53	8.71
Water	Storage capacity	Litre	200 / 300	200 / 300	200 / 300	200 / 300
	Recovery rate through 50°C Δt	Litre/hr	480	960	1440	1920
	Recovery rate through 56°C Δt	Litre/hr	429	857	1286	1714
	Operating pressure (unvented)	bar	3.5	3.5	3.5	3.5
	Minimum working pressure	bar	1	1	1	1
	Maximum pressure	bar	6	6	6	6
	Electrical	Fuse rating	amp	5	5	5
	Electrical power consumption	W	170	340	510	680
Misc	Noise level	dBA	51	51	51	51
	Weight full (200 litre)	kg	355	370	385	400
	Weight full (300 litre)	kg	465	480	495	513
	Weight empty (200 litre)	kg	155	170	185	200
	Weight empty (300 litre)	kg	165	180	195	210
	Max. flue run (concentric)	m	14	12	14	14
	Max. flue run (conventional)	m	50	20	50	40

## Dimensions

	200	300
	[mm]	[mm]
H	1528	1952
W	602	602
D	900	900

	30/200	60/200	90/200	120/200
	30/300	60/300	90/300	120/300
	[mm]	[mm]	[mm]	[mm]
Flue Diameter	80/125	80/125	130/200	130/200



## Service Clearance

Front	Sides	Rear	Above
All Models			
1000mm	300mm	N/A	500mm

## Accessories

### Flueing and Ancillary

	30/200 60/200	30/300 60/300	90/200 120/200	90/300 120/300
	Sales code		Sales code	
Horizontal flue kit	B260		B262	
Vertical flue kit	B261		B263	
1 metre length flue	E064		E212	
1 metre cutable flue	E070		E213	
0.5 metre flue	E069		E214	
90° bend	E071		E215	
45° bend	E308		E216	
Flat roof plate	E065		E217	
Angled roof plate	E066		E218	
Wall clamp	E068		E219	
Flue clamp with seal	E075		E385	
Condensate siphon connection	E261		E261	
Flue condensate trap	E310		E220	
Siphon	E211		E211	
Wall terminal guard	E105		E630	
Unvented systems kit	B328		B328	

### Stainless Steel Storage Tanks

	200	300
Model	Sales code	Sales code
HWST200	A465	-
HWST300	-	A475

### Connection sizes

	unit	30/200 90/200	60/200 120/200	30/300 90/300	60/300 120/300
A: Inlet/outlet connections	BSP	1 1/2"		1 1/2"	
B: Return connection	BSP	1"		1"	
C: Gas connection (gas cock supplied)	BSP	3/4"		3/4"	
D: Depth of plinth	mm	900		900	
E: Condense trap pipe diameter	mm	40		40	
F: Tundish diameter	BSP	1" x 1 1/4"		1" x 1 1/4"	
G: Depth of heater	mm	932		932	
H: Height of heater	mm	1528		1952	
I: Distance from flue center	mm	719		719	
J: Height to condensate trap outlet	mm	205		205	
K: Height to condensate trap	mm	265		265	
L: Front service clearance	mm	1000		1000	
M: Side service clearance	mm	300		300	
N: Clearance above heater	mm	500		500	



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