



Key features

One year parts and labour warranty plus 25 year warranty on stainless steel inner vessel¹

120, 150, 170, 210, 250 and 300 litre capacity – direct and indirect types

Indirect heating coil is factory fitted with an electric immersion heater as back up

Coil in coil heat exchanger

Incoloy 800 alloy sheathed elements

KIWA approved

50mm of polyurethane foam insulation

Benefits

For peace of mind

A cylinder for every style and size of property, to meet all hot water demands

Hot water whenever it is needed

Ensures rapid, energy efficient heat recovery

Designed to resist corrosion

Complies with water regulations and Building Regulation G3

Minimum heat loss and maximum efficiency

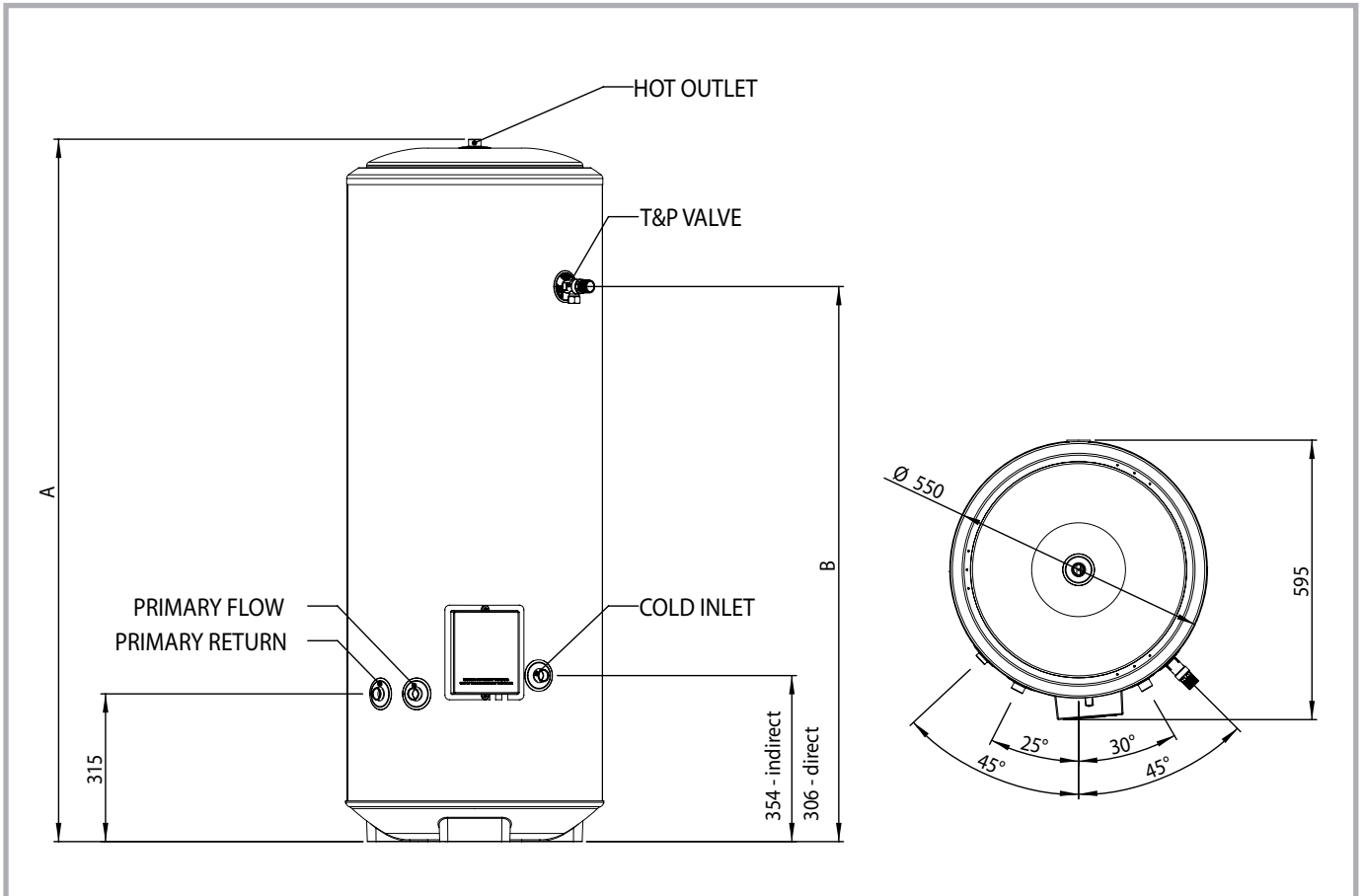
Main Unvented Cylinder

Manufactured in the UK, the Main Unvented Hot Water Cylinder is easy to install, with front access to controls and connections. The coil-in-coil heat exchanger ensures rapid heat recovery and 50mm of factory injected polyurethane foam ensures that heat loss and running costs are kept to a minimum. The inner cylinder is made from high grade stainless steel for a long product life with low maintenance.

The Main Cylinder, together with a Main Eco Compact System boiler or Main Eco Elite System boiler, provides a complete solution for homes with a high demand for hot water.

Technical specifications

Dimensions and minimum clearances



Nominal Capacity (litres)	Type		Dimensions A (mm)	Dimensions B (mm)	kW Rating	Coil Heat Up Time (mins)	Recovery Times	Heating Time Direct (mins)	ErP Rating	Product Code	Standing Heat Loss (kW/h per 24hr)
	Direct	Indirect									
120	✓		931	616				121	C	720635901	1.47
120		✓	931	616	12.5	27	23	29	B	5133561	
150	✓		1114	800				152	C	720636001	1.7
150		✓	1114	800	12.5	38	24	37	C	5133562	
170	✓		1241	927				173	C	720636101	1.92
170		✓	1241	927	16	33	25	35	C	5133563	
210	✓		1499	1184				215	C	720636201	2.3
210		✓	1499	1184	16	41	29	43	C	5133564	
250	✓		1752	1437				260	D	720636301	2.22
250		✓	1752	1379	18	40	30	43	D	5135327	
300	✓		2065	1751				315	D	720636401	2.52
300		✓	2065	1694	19	47	35	49	D	5135328	

Installation

Main unvented cylinders must be installed by a competent installer in accordance with local regulations:

England and Wales – Building regulation G3.

Scotland – Technical standards P3.

N. Ireland – Building regulation P5.

Fixing – Feet on bottom moulding for floor mounting.

Plumbing connections – Inlet/Outlet, 22mm compression fittings / 3/4" BSP parallel thread.

Primary coil – 22mm compression fittings / 3/4" BSP parallel thread.

Temperature and pressure relief valve – 15mm compression outlet.

Cold water control – Integrated cold water control set comprising pressure reducing valve and strainer – factory set at 3.5 bar, expansion relief valve – factory set at 6 bar and check valve. 22mm compression fittings.

Mains pressure – Min 1.5 bar, Max 16 bar. A 2-port motorised valve is supplied with indirect models.

Flow rates – Up to 55 litres per minute @ 6 bar pressure.

Operating pressure – 3.5 bar.

Expansion relief valve pressure – 6.0 bar.

Operating temperature – Recommended 60°C. Adjustable 10-70°C.

Water expansion – Remote expansion vessel
 12 litre vessel supplied with 120 and 150 litre models.
 18 litre vessel supplied with 170 and 210 litre models.
 24 litre vessel supplied with 250 and 300 litre models.

Minimum water supply requirements – Recommended minimum supply pressure – 1.5 bar/20 l/min flow rate.

If there are any doubts about water supply pressure or flow rates, please contact our Specification Advice Team to discuss on 0845 026 4620.

Secondary circulation – Via 22 x 22 x 15mm swept tee, which should be fitted to the inlet pipework. Secondary Circulation is not recommended for direct units being used with off-peak electricity tariffs.

Pressure testing – Units are tested to 15 bar.

Tundish – 15mm compression inlet and 22mm compression outlet.

Electrical

Indirect models – Controls should be wired to the boiler, programmer etc., in accordance with the control scheme being used.

Direct models – Connection is direct to terminals in the immersion heater which must be permanently connected to the supply through a double-pole lined isolating switch with a minimum breaking capacity of 13A.

All electrical wiring must conform to the latest IEE Wiring Regulations.

Element

Long-life removable Incoloy 800 sheathed element, rated 3.0kW @ 240V. Direct models are fitted with two 3.0kW immersion heaters as standard.

Outer casing

A combination of resilient thermoplastic mouldings and plastic coated corrosion proofed steel sheet.

Thermal insulation

CFC/HCFC free (ODP ZERO) fire retardant expanded polyurethane. 50mm thickness.

Inner container

High grade stainless steel, pressure tested to 15 bar.

Primary coil

22mm diameter stainless steel. Coil-in-coil design for improved performance.

Thermostat

Element thermostat adjustable from 10°C to 70°C.

Safety features

Temperature and pressure relief valve, factory set to operate at 10 bar and 90°C. High limit thermostat, factory set at 80°C. Direct models – Manually re-settable cut-out on heating element operates at 80°C.

Indirect models

Must be wired in series with the supplied two-port motorised valve to provide primary over temperature protection.

Anode

None required.

Approvals

KIWA approved for water regulations and building regulation G3. Manufactured in the UK in a BS EN ISO 9001:2008 registered factory. CE marked for compliance with LVD, EMC and pressure equipment directives.

Controls and accessories

The range of Main Eco Compact controls that can be fitted quickly and simply.



720971601
Baxi wired room thermostat



7212444
Baxi single channel wired programmer



7212438
Baxi single channel wired programmable thermostat



720030701
MAIN RF digital 7-day programmable roomstat



720644801
BAXI programmable 7-day wireless sensor (2 channel) (twin channel programmer for system)



7649277
Baxi uSense wired smart thermostat



7683084
Baxi IFOS In Flue Outdoor Sensor Kit



7703233
On wall outdoor sensor



7715591
Main Eco Compact pre-plumb jig



248221
Multifit filling loop



7665482
Multifit Easy-Fill



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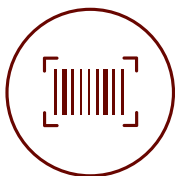
Call our knowledgeable and helpful team on **0344 871 1540** or visit [baxi.co.uk/baxi-genuine-parts.htm](https://www.baxi.co.uk/baxi-genuine-parts.htm) to identify parts and find your nearest stockist



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Weekends and Bank Holidays, 8.30am – 2pm

We are open 365 days a year.

Please note calls may be monitored or recorded.

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