

Baxi Assure SystemReady

Unvented indirect hot water cylinder

Baxi Assure SystemReady cylinders are designed to deliver reliable, efficient heating and hot water for new or refurbished homes with large families or multiple bathrooms. With factory-fitted plumbing and wiring, it's ready to install straightaway with our Baxi Assure system boilers. Built on our market-leading cylinder technology, the SystemReady cylinder offers impeccable performance whilst being kind to the environment.



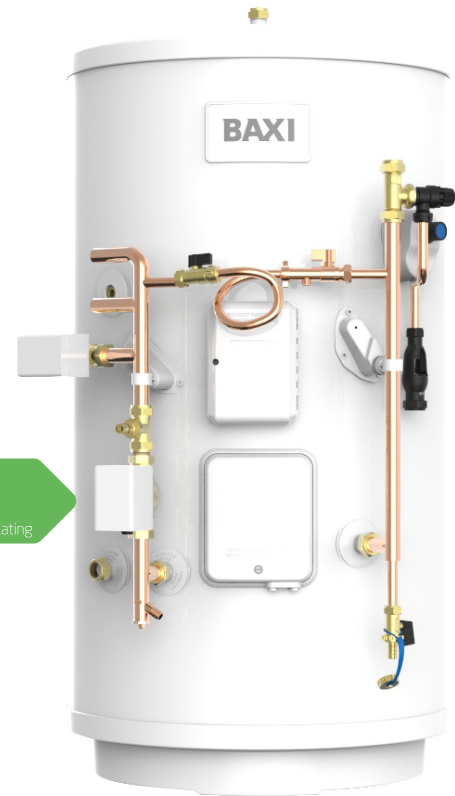
**RAPID
RECOVERY
TIME**



**10 YEARS
CYLINDER
WARRANTY***



**QUICK AND
EASY TO
INSTALL**



Versatile

- Available in volumes of 125, 145, 170, 210, 250 and 300 litres
- A model to suit most house sizes and hot water requirements

Easy to install

- Pre-plumbed and pre-wired to dramatically reduce installation time
- The internal floating baffle expansion system saves space and makes installation easier

Reliable

- Built with corrosion-resistant, high-strength components
- Designed and manufactured in the UK
- 10 year warranty for extra peace of mind

Efficient

- Our unique L-shaped immersion heater maximises the volume of hot water available
- Heat-retaining, CFC/HCFC-free injected foam insulation helps save energy and boost SAP ratings
- Delivers up to 76 litres per minute of hot water at 3 bar pressure
- Coil-in-coil heat exchanger gives exceptionally fast recovery times

Compatible with...

- Baxi Assure System – wall-hung gas or LPG boiler

* See baxi.co.uk for terms and conditions.

Technical details

	UNITS	125SR	145SR	170SR	210SR	250SR	300SR
Product code		7737272	7737274	7737275	7737276	7737277	7737279

SPECIFICATION

Nominal capacity	litres	125	145	170	210	250	300
Internal expansion with floating baffle		Yes	Yes	Yes	Yes	Yes	Yes
Insulation thickness	mm	60	60	60	60	60	60
Immersion heater rating	No. x kW	1 x 3	1 x 3	1 x 3	1 x 3	1 x 3	1 x 3
Weight empty	kg	39	44	48	51	57	65
Weight full	kg	179	199	230	250	293	348
Standing heat loss (daily)	kWh / 24h	1.05	1.18	1.20	1.42	1.61	1.69
Standing heat loss (yearly)	kWh / year	383.3	430.7	438.0	518.3	587.7	616.9
Max flow at 3 bar	l / min	76	76	76	76	76	76
Max flow at 1 bar	l / min	45	45	45	45	45	45
Recovery time at 15 l / min, 80°C primary flow from 15°C to 60°C		23	24	22	28	34	39
Recovery 70% draw off	mins	15	17	16	19	23	27

ErP PRODUCT INFORMATION

Storage volume at 3 bar	litres	125	145	170	210	250	300
Standing loss	Watts	50	55	59	65	70	79
Water heating energy efficiency class		B	B	B	B	C	C
Factory-set water heater thermostat temperature	°C	60	60	60	60	60	60

CYLINDER DETAILS

Maximum supply pressure to incoming mains cold water combination valve (supplied)	1.6 MPa (16 bar)
Minimum recommended supply pressure and flow rate	0.15 MPa (1.5 bar) - 20 litres per minute
Operating pressure	0.3 MPa (3 bar)
Inner water container	High-grade duplex stainless steel pressure tested to 15 bar
Thermal insulation (nominal thickness 60mm)	CFC/HCFC-free, fire-retardant expanded polyurethane foam with zero ozone depletion; Global warming potential (GWP) = 3.1
Pressure relief valve	0.8 MPa (8 bar)
Immersion heater rating (AC supply only)	3kW at 240V; 2.8kW at 230V
Connections	22mm male connections
Domestic Hot Water Expansion	Integrated internal floating baffle accommodates hot water expansion, so no external expansion vessel required



COMPONENTS

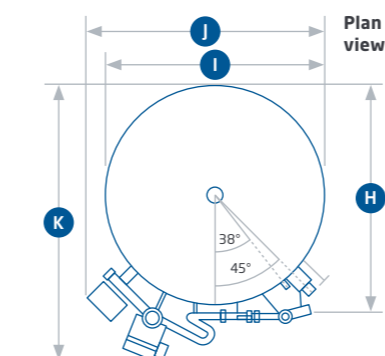
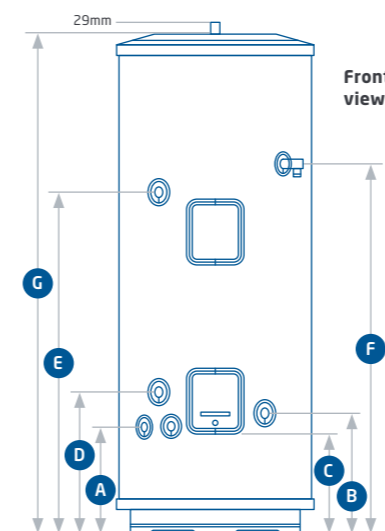
The following components are supplied as standard with Baxi Assure SystemReady:

Immersion(s)	Factory-fitted immersion heater(s) and thermal controls
Cold water	Cold water inlet control kit comprising of 0.3 MPa (3 bar) pressure reducing valve, 0.8 MPa (8 bar) pressure relief valve (BS EN 1567, BS EN 1491, EN 13959); ¼ turn isolating valve, line strainer, non-return valve, drain valve
Safety	Factory-fitted temperature and pressure relief valve set at 90°C / 1 MPa (10 bar) (BS EN 1490) including T&P valve insulation kit; 15 / 22mm Tundish; Additional thermostat and thermal cut out
Electrical	Wiring centre; 22mm two-port motorised valve

A range of solar collectors and accessories are available - visit baxi.co.uk for further details.

DIMENSIONS

	UNITS	125SB	145SB	170SB	210SB	250SB	300SB
A Primary return	mm	316	316	316	316	316	316
B Cold inlet	mm	355	355	355	355	355	355
C Cable entry lower	mm	310	310	310	310	310	310
D Sensor pocket	mm	410	410	410	410	410	410
E Secondary return	mm	709	810	934	1,011	1,238	1,526
F T&P relief valve	mm	794	895	1,020	1,095	1,323	1,574
G Height	mm	1,102	1,229	1,384	1,486	1,738	2,053
H Depth	mm	710	710	710	710	710	710
I Width	mm	579	579	579	579	579	579
J Minimum width requirement	mm	690	690	690	690	690	690
K Minimum depth requirement	mm	710	710	710	710	710	710



CODES OF PRACTICE AND LEGISLATION

EU Directives:

- Pressure Equipment Directive 97/23/EC
- Low Voltage Directive (LVD) 2014/30/EU
- RoHS (Restriction of certain Hazardous Substances) Directive 2011/65/EU
- Electromagnetic Compatibility (EMC) Directive 2014/35/EU.

Legislation:

- Building Regulations Part G and Part L (England and Wales)
- Scottish Building Standards Section 4 and Section 6
- Building Regulations (Northern Ireland) Parts F1 and F2 and Part P
- Water Supply (Water Fittings) Regulations (England and Wales)
- The Water Byelaws 2004 (Scotland)
- Water Supply (Water Fittings) Regulations (Northern Ireland).

Standards: Complies with relevant clauses of the following standards:

- EN 60335-1 Safety-Particular requirements for storage water heaters
- EN 60335-2 Safety-Particular requirements for storage water heaters.

The stainless steel materials used comply with the relevant clauses of:

- EN 10088 - Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes.

Components supplied comply with the following standards:

- BS EN 1490 Building Valves - Combined Temperature and Pressure Relief Valves

- BS EN 1491 Building Valves - Expansion Valves
- BS 6144 Specification for Expansion Vessels Using An Internal Diaphragm For Unvented Water Supply Systems
- BS EN 1567 Building Valves - Water Pressure Reducing Valves and Combination Reducing Valves
- BS EN 60730-1 Automatic Electrical Controls - For households and similar use. Part 1: General Requirements
- BS EN 60730-2-8 Automatic Electrical Controls - Particular Requirements for Electrically Operated Water Valves
- BS EN 13959 Anti-pollution Check Valves.

The use of these water heaters will aid in compliance with:

- Health and Safety Executive Approved Code of Practice L8: The control of legionella bacteria in water systems
- BS EN 806 Parts 1 to 5: Specification for installations inside buildings conveying water for human consumption
- BS 8558 Guide to the design, installation, testing and maintenance of services supplying water for domestic use within buildings
- Chartered Institute of Building Services Engineers Guide B and Guide F.

Manufactured in a factory approved to:

- BS EN ISO 9001: OHSAS 18001; ISO 50001; ISO 14001.

Baxi Assure SystemReady approvals:

- Kiwa Certification Number: 1608714
- Nemko Certification Number: P10213136/A6.

How we can help you

With Baxi, the heating system is only part of the story. We're also passionate about giving you the service and support you need, for the lifetime of your Baxi product.

Baxi Design

Our design service team will plan and configure installations around each property's unique requirements, free of charge.

Baxi Genuine Parts

We have a full range of approved spares and quality heating essentials for all Baxi Assure products. Visit baxi.co.uk/genuineparts for more information.

Literature and BIM libraries

We have installation instructions, user guides and BIM files for our product ranges, available at baxi.co.uk/specification

Unique maintenance plans

We provide comprehensive homeowner maintenance and support plans.

Baxi Project Hub

Baxi Project Hub is our intuitive project management portal, where specifiers and contractors can register Warranty and Gas Safe notifications for Baxi Assure installed products. There's also the Project Hub app, so that warranty registrations and Gas Safe notifications can be done on site. Visit baxi.co.uk/projecthub or speak to your Business Development Manager to find out more.

Product Training

We offer practical, hands-on courses, covering all Baxi Assure products. They're carried out by qualified experts at our state-of-the-art training centres nationwide. Visit baxi.co.uk/assuretraining or speak to your Business Development Manager to find out more.

Expert service and support

We're always here to help with product queries, installations and maintenance. Visit baxi.co.uk/trade/assuretechnical or call our Technical Support Helpline on 0344 871 1525 for more information.

For everything else

Contact your Business Development Manager at baxi.co.uk/assurecontact for more information.

Baxi Assure, The Complete Home Service

As the UK moves towards a carbon neutral future alongside an ever growing demand for housing, providers are having to take a fresh approach. That means more tenanted social housing, and more economical, energyefficient new homes.

With our fresh approach, we'll make sure we deliver the reliable, efficient heating and hot water solutions our specification partners need – for today and tomorrow.

The Baxi Assure range of solutions does just that, with a broad range of boiler, cylinder and low-carbon product packages to suit any new build or refurbished property.

Find out more at baxi.co.uk/specification

Baxi policy is one of continual improvement and development. The right to change specification and appearance without prior notice is reserved. The reproduction of colours is as accurate as photographic and printing processes allow. The consumer's statutory rights are not affected. E&OE

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