

# 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 from the experts at Heatrae Sadia, the SystemReady cylinder offers impeccable performance whilst being kind to the environment.



**RAPID  
RECOVERY  
TIME**

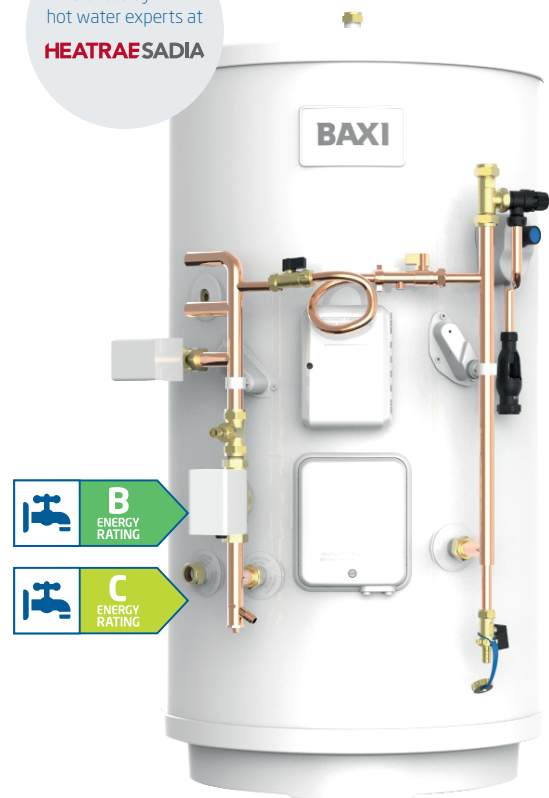


**2 YEARS WARRANTY  
AS STANDARD,  
WITH 10 YEARS  
ON THE INNER  
STAINLESS STEEL TANK**



**QUICK AND  
EASY TO  
INSTALL**

Created by our  
hot water experts at  
**HEATRAESADIA**



### 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 reduce installation time

### Reliable

- Built with corrosion-resistant, high-strength components
- Created in the UK by our hot water experts Heatrae Sadia
- 2 years warranty as standard, with 10 years on the inner stainless steel tank\*

### 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 of hot water, even at low pressures
- 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](http://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

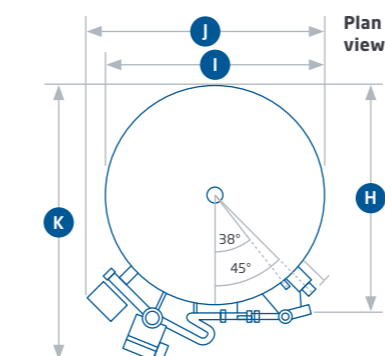
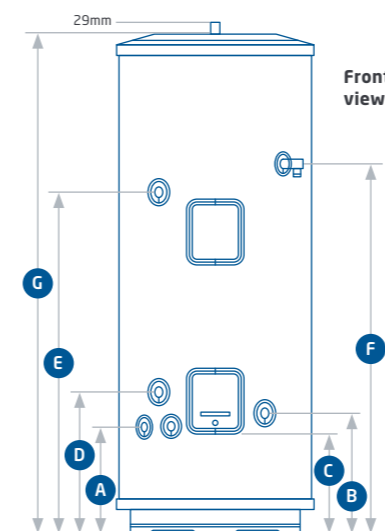
The following components are supplied as standard with Baxi Assure SystemReady:

<b>Immersion(s)</b>	Factory-fitted immersion heater(s) and thermal controls
<b>Cold water</b>	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
<b>Safety</b>	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
<b>Electrical</b>	Wiring centre; 22mm two-port motorised valve

A range of solar collectors and accessories are available - visit [baxi.co.uk](http://baxi.co.uk) for further details.

## DIMENSIONS

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

## Maintenance plans

We work in partnership with Domestic and General to offer 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](https://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](https://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](https://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](https://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, energy efficient 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](https://baxi.co.uk/specification)**

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