

Baxi Assure SystemFit

Unvented indirect hot water cylinder

Created by our
hot water experts at
HEATRAE SADIA

Baxi Assure SystemFit cylinders are designed to deliver reliable, efficient heating. With factory-fitted plumbing and wiring, it's ready to install straightaway with our Baxi Assure heat only boilers. Built on our market-leading cylinder technology from the experts at Heatrae Sadia, the SystemFit offers impeccable performance whilst being kind to the environment.



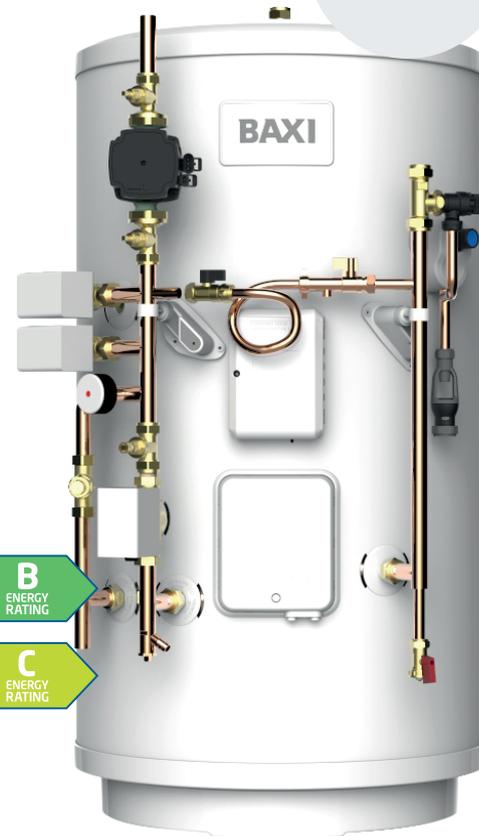
**RAPID
RECOVERY
TIME**



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



**QUICK AND
EASY TO
INSTALL**



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-quality 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 per minute of hot water at 3 bar pressure
- Coil-in-coil heat exchanger gives exceptionally fast recovery times

Compatible with...

- Baxi Assure Heat – wall-hung heat-only gas boiler

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

Technical details

	UNITS	125SF	145SF	170SF	210SF	250SF	300SF
Product code		7737266	7737267	7737268	7737269	7737270	7737271

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	43	48	52	55	61	69
Weight full	kg	183	203	234	254	297	352
Standing heat loss (daily)	kWh / 24h	1.05	1.18	1.20	1.42	1.61	1.69
Standing heat loss (yearly)	kWh / year	383.25	430.7	348	518.3	587.65	616.85
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	137	155	178	195	233	283
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 compression DHW connections; Primary flow and return 22mm o/dia pipe
Domestic Hot Water Expansion	Integrated internal floating baffle accommodates hot water expansion, so no external expansion vessel required

ACCESSORIES

Titanium Indirect Control Assembly and Immersion Heater	95 970 554
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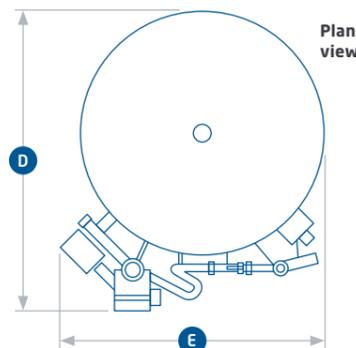
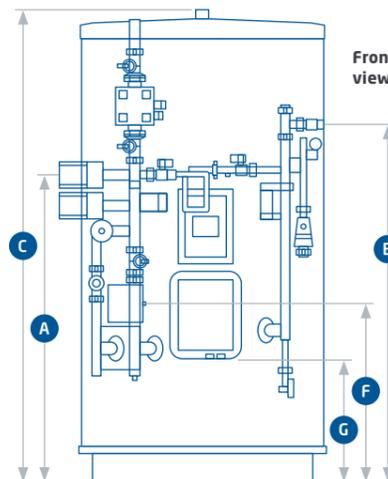
COMPONENTS

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

Immersion(s)	Factory-fitted immersion heater(s) and thermal controls; Long-life superloy 825 alloy sheathed element(s)
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 on 125, 145, 170 and 210SF. 28mm two-port motorised valve on 250 and 300SF

DIMENSIONS

	UNITS	125SF	145SF	170SF	210SF	250SF	300SF
A Secondary return	mm	709	810	934	1,011	1,238	1,526
B T&P relief valve	mm	794	895	1,020	1,095	1,323	1,574
C Height	mm	1,102	1,229	1,384	1,486	1,738	2,053
D Depth	mm	720	720	720	720	720	720
E Width	mm	630	630	630	630	630	630
F Sensor pocket	mm	410	410	410	410	410	410
G Cable entry lower	mm	275	275	275	275	275	275



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 12897 - Specification for indirectly heated unvented cylinders
- EN 60335-2-21 - 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 SystemFit approvals:

- Kiwa Certification Number: 1608714



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 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

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 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, 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

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