Baxi Assure System

Wall-hung natural gas or LPG boiler

Designed for fully pumped sealed systems, the Baxi Assure System can be installed with an unvented cylinder. It will satisfy the hot water and heating requirements of most homes, including larger properties with more than one bathroom.

A Efficiency Rating

energy saving trust endorsed product

12-24kW
RANGE OF OUTPUT

COMPACT DESIGN

DESIGNED FOR HIGH WATER DEMANDS

PIPES BEHIND FACILITY

Versatile

- Natural gas models available in outputs of 12, 15, 18 and 24kW
- LPG models available in outputs of 18 and 24kW
- Compatible with Baxi Assure range of cylinders

Easy to install

- Small enough to fit in 290mm-deep cupboards
- Pipes behind facility within footprint of the boiler casing
- Maximum installation lift weight just over 28kg
- Vertical packaging to make installation easier

Efficient

- Achieves optimum SAP and DER ratings for standard system boiler usage
- Fully-modulating operation uses just the right amount of fuel every time, saving energy and money
- Option to add our In Flue Outdoor Sensor (IFOS) for improved comfort, SAP ratings and Part L compliance
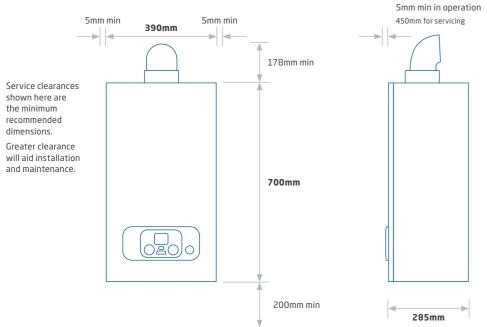
User-friendly

- Fully compatible with a range of twin channel time &/ or temperature controls
- Easy to service and maintain with no specialist tools required
- Centrally-positioned flue
- Whisper-quiet operation so can be installed within living areas without causing disturbance to end users

Reliable

- Proven Baxi component technology for excellent reliability & peace of mind
- Built-in drip tray protects the boiler from rain ingress in extreme weather conditions
- Expertly manufactured in the UK by a trusted brand with over 150 years' experience
- Covered by 2 years' warranty as standard, with extended options also available

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

Technical details

	UNITS	12 NG	15 NG	18 NG	24 NG	18 LPG	24 LPG
Product code		7750797	7750794	7750795	7750778	7750779	7750796
Product Characteristics Database Index Number (PCDB)		018742	018743	018744	018745	018746	018747
CONTROLS							
Reset button		Yes	Yes	Yes	Yes	Yes	Yes
User adjustable CH temperature		Yes	Yes	Yes	Yes	Yes	Yes
LCD temp / status / fault diagnosis display		Yes	Yes	Yes	Yes	Yes	Yes
GAS							
Gas (natural gas / LPG)		NG	NG	NG	NG	LPG	LPG
Inlet supply pressure	mbar	20	20	20	20	37	37
Maximum gas rate (natural gas)	m³ / hr	1.31	1.64	1.96	2.61	–	–
Maximum gas rate (LPG)	kg / hr	–	–	–	–	1.37	1.83
Heat input central heating CH	kW max gross (QnHs)	13.7	17.2	20.6	27.4	20.6	27.7
	kW min gross (QnHs)	5.2	5.2	5.2	5.2	5.2	5.2
Heat output CH (non condensing)	kW max (Pn)	12.0	15.0	18.0	24.0	18.0	24.0
	kW min (Pn)	4.5	4.5	4.5	4.5	4.5	4.5
Heat output CH (condensing)	kW max (Pnc)	12.9	16.2	19.4	25.9	19.4	25.9
	kW min (Pnc)	4.9	4.9	4.9	4.9	4.9	4.9
ErP PRODUCT INFORMATION							
NO_x	mg / kWh	24	29	30	28	30	28
NO_x class		6	6	6	6	6	6
Sound power level, indoors	L_{WA} dB	44	46	48	51	48	51
Space heating efficiency class		A	A	A	A	A	A
Seasonal space heating energy efficiency	%	93	93	93	93	93	93

DIMENSIONS AND SERVICE CLEARANCES

5mm min — **390mm** — 5mm min

178mm min

Service clearances shown here are the minimum recommended dimensions.

Greater clearance will aid installation and maintenance.

700mm

200mm min

5mm min in operation
450mm for servicing

285mm

INSIDE THE BOILER

	UNITS	12 NG	15 NG	18 NG	24 NG	18 LPG	24 LPG
ELECTRICAL							
Electrical supply	Volts / Hz	230 / 50	230 / 50	230 / 50	230 / 50	230 / 50	230 / 50
Permanent live required		Yes	Yes	Yes	Yes	Yes	Yes
Power consumption	Watts	60	60	70	100	70	100
External fuse rating	Amps	3	3	3	3	3	3
Internal fuse rating		F2AH / 250V	F2AH / 250V	F2AH / 250V	F2AH / 250V	F2AH / 250V	F2AH / 250V
Boiler IP rating (electrical protection)		IPX5D	IPX5D	IPX5D	IPX5D	IPX5D	IPX5D
Integral 'boiler only' frost thermostat		Yes	Yes	Yes	Yes	Yes	Yes
Pump overrun		Yes	Yes	Yes	Yes	Yes	Yes
MECHANICAL AND HYDRAULIC							
Wall mounting jig		Optional	Optional	Optional	Optional	Optional	Optional
Isolating valves		Yes	Yes	Yes	Yes	Yes	Yes
Gas supply connection	mm	22	22	22	22	22	22
Central heating connections	mm	22	22	22	22	22	22
Condensate drain connection	mm	21.5	21.5	21.5	21.5	21.5	21.5
Safety discharge connection	mm	15	15	15	15	15	15
Safety discharge pressure	bar	3	3	3	3	3	3
Integral automatic bypass		Yes	Yes	Yes	Yes	Yes	Yes
Integral expansion vessel capacity	litres	7	7	7	7	7	7
Maximum capacity of CH system	litres	100	100	100	100	100	100
Compartment ventilation required		No	No	No	No	No	No
24hr pump exercise		Yes	Yes	Yes	Yes	Yes	Yes
CH system inhibitor required		Yes	Yes	Yes	Yes	Yes	Yes
CONCENTRIC FLUE SYSTEM							
Concentric flue diameter	mm	60 / 100 & 80 / 125	60 / 100 & 80 / 125	60 / 100 & 80 / 125	60 / 100 & 80 / 125	60 / 100 & 80 / 125	60 / 100 & 80 / 125
Standard horizontal flue kit length (60 / 100)	mm	685	685	685	685	685	685
Standard horizontal telescopic flue kit length (60 / 100)	mm	315-500	315-500	315-500	315-500	315-500	315-500
Maximum equivalent vertical length (60 / 100)	m	10	10	10	10	10	10
Maximum equivalent vertical length (80 / 125)	m	20	20	20	20	20	20
Maximum equivalent horizontal length (60 / 100)	m	10	10	10	10	10	10
Maximum equivalent horizontal length (80 / 125)	m	20	20	20	20	20	20
WEIGHTS							
Maximum installation lift weight	kg	28.2	28.2	28.2	28.2	28.2	28.2
Appliance packed gross weight (kg)	kg	31.0	31.0	31.0	31.0	31.0	31.0

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