

# ASHP Pre-plumbed Cylinder

Data Sheet



**BAXI**

# ASHP Pre-plumbed Cylinder

Designed to work seamlessly with Baxi ASHPs, our pre-plumbed, pre-wired cylinder makes installation quicker and easier without compromising performance.

Available in volumes from 170-300 litres for flexible design, our cylinders come supplied pre-plumbed and pre-wired for a quicker and easier installation process to save you time and effort.

The high grade duplex stainless steel offers longevity and quality, and the efficient 60mm PU insulation provides minimal heat loss giving an ErP Class B.#

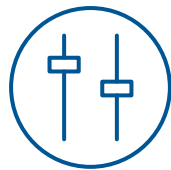
With a high surface area heat exchanger offering fast recovery times, the Baxi ASHP Pre-plumbed Cylinder delivers reliable hot water, making it a great energy-efficient choice for homes.

Built-in Bluetooth connectivity enables easy access to commissioning and servicing information via the Baxi START App. The integrated controller features intuitive user controls for optimal performance of DHW & CH systems.

The Baxi ASHP Pre-plumbed cylinder comes with an Installation Kit containing additional parts required for installation including Primary Flow Connection Kit, Mains Water Connection Kit, PRV Connection Kit and DHW Expansion Vessel.



**Pre-plumbed and pre-wired for quicker, easier installation**



**Integrated controller for DHW and CH zones**



**Built in Bluetooth connectivity**



**Corrosion resistant**



**2-year warranty as standard, with 10-years on the inner stainless-steel tank**

## Key features and benefits

### In build and installation:

- Available in 170, 210, 250 or 300 litres
- Pre-plumbed and pre-wired for quicker and easier installation process
- Manufactured from duplex stainless steel for superior quality and corrosion resistance
- High surface area heat exchanger specifically designed to be used with ASHPs
- Compact footprint, enabling installation into standard airing cupboard and other compact spaces
- In-built back-up immersion heater to support ASHPs for reliable hot water supply
- Other integrated components include: Bluetooth-enabled controller, 3 Port Valve, Low Loss Header, System Circulating Pump and connection for optional volumiser
- Additional zone accessory kit available

### In operation and performance:

- Intuitive ASHP controller enabling direct control of domestic hot water and up to three heating zones
- High flow rate, perfect for homes with multiple bathrooms
- Delivers up to 76L/min of hot water at 3 bar pressure
- Extra-large coil for faster water heat-up times and more usable hot water
- Built-in Bluetooth connectivity enables easy access to commissioning and servicing information via the Baxi START App
- Remote temperature control for homeowner if used in conjunction with the MyBaxi App
- Highly efficient PU insulation for minimal heat loss, ErP Class B#
- 2-year warranty as standard, with 10-years on the inner stainless-steel tank\*

## Technical information

Units	170L	210L	250L	300L
<b>Baxi ASHP Pre-plumbed Cylinder for residential installers, social housing providers and developers - with 2 years' warranty as standard, and 10 years on the inner SS tank*</b>				
Product code	7853985	7853986	7853987	7853988
Nominal capacity (L)	170	210	250	300
Storage V in litres @ 3 bar	167	209	246	287
Hot water capacity (volume to >40 °C) litres <sup>1</sup>	239	293	333	417
Insulation thickness (mm)	60	60	60	60
Immersion element rating (kW @240V)	3	3	3	3
Coil heat-up times (mins)**	18.7	21.8	23	27.5
Heat up times based on max immersion input (mins)***	195	67	67	67
Coil surface area (m <sup>2</sup> )	2	2	3	3
Coil rating (kW) <sup>2</sup>	31.3	32.5	37	37.9
Pressure drop through coil (Bar) <sup>2</sup>	0.09	0.09	0.12	0.12
T&P pressure setting (bar)	10	10	10	10
T&P temperature setting (°C)	90	90	90	90
Pressure reducing valve (bar)	3	3	3	3
Pressure (expansion) relief setting (bar)	6	6	6	6
Max flow rate (L/min)	76	76	76	76
Standing heat loss per day (kWh/24h)	1.38	1.64	1.86	2.02
Energy efficiency class <sup>3</sup>	B	B	C	C
Connections type	28mm flow and return 22mm cold water inlet 22mm DHW outlet	28mm flow and return 22mm cold water inlet 22mm DHW outlet	28mm flow and return 22mm cold water inlet 22mm DHW outlet	28mm flow and return 22mm cold water inlet 22mm DHW outlet
External expansion sizes (L)	24	24	24	24

## Volumetrics

Units	170L	210L	250L	300L
Height (mm)	1,280	1,516	1,767	2,082
Width (mm)	699	699	699	699
Diameter (mm)	579	579	579	579
Empty weight (kg)	61	68	74	83
Full weight (kg)	228	277	320	370

\* Parts-and-labour warranty is subject to terms and conditions - visit [baxi.co.uk/terms](http://baxi.co.uk/terms) for details.

† ErP Class B on 170L and 210L models only.

(1) According to BS EN 16147.

\*\* Coil heat-up times @15l/min.

\*\*\* Temperature rise 50° (10° - 60°).

(2) Cylinder tested in conformance to Annex A, BS EN 12897:2016.

(3) In accordance with European Commission regulations 814/2013 and 812/2013.

### 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.

### Genuine parts

We have a full range of approved spares and quality heating essentials for all Baxi products. For more details, visit [baxi.co.uk/trade/boilers-parts-and-accessories/parts](https://baxi.co.uk/trade/boilers-parts-and-accessories/parts)

### Solutions training

Our advanced training ensures you have the additional skills and knowledge that you need to provide the latest heating and hot water solutions and stay ahead in a changing industry. We're here to enable you to work smarter, more efficiently and more profitably, taking you and your business to the next level. To find out more, visit [baxi.co.uk/training](https://baxi.co.uk/training) or speak to your Area Sales Manager.

### Expert service and support

Our Baxi Customer Support Team of experts can help with installation, service and repair. For further technical support and how-to videos, visit [baxi.co.uk](https://baxi.co.uk) or call us on **0344 871 1525**

### Baxi Works loyalty scheme

Baxi Works has everything you need in one place. It's the go-to for any busy installer, full of resources, benefits and rewards to thank you for being a loyal partner of Baxi. It's easy to join, whether you're Gas Safe registered or not. For more information visit [baxiworks.co.uk](https://baxiworks.co.uk)

For more information  
**0344 871 1540**

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**[baxi.co.uk](https://baxi.co.uk)**

Baxi Heating UK Limited is registered in England and Wales with company number 03879156 and registered office address Brooks House, Coventry Road, Warwick, CV34 4LL. VAT registration number is 604665837

Information is correct as at time of publication

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