

ASHP Pre-plumbed Cylinder

Data Sheet



BAXI

ASHP Pre-plumbed Cylinder

The Baxi ASHP Pre-plumbed Cylinder has been specifically designed to work with our air source heat pumps to provide optimal heating and hot water 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.

Bluetooth connectivity enables easy access to information and intuitive user controls for both installer and homeowner.


76 l/min
76 l/min
at 3 bar max flow


Corrosion resistant


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

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



IN BUILD AND INSTALLATION

Available in 170, 210, 250 or 300 litres for design flexibility

Pre-plumbed & 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 heat pumps

Compact footprint, enabling installation into standard airing cupboard or smaller spaces,

In built back-up immersion heater to support heat pumps for continuous hot water

Optional 2nd zone accessory kit available

IN OPERATION AND PERFORMANCE

Intuitive heat pump controller enabling direct control of domestic hot water and two heating zones

High flow rate, perfect for homes with multiple bathrooms

No need for a water storage tank, freeing up household space

76 l/min at 3 bar max flow

Extra large coil in coil heat exchanger for faster water heating up times and more usable hot water

Built in Bluetooth connectivity for easy access to commissioning and servicing information and remote temperature control

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

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

TECHNICAL INFORMATION

UNITS	170	210	250	300
Product Code	7853985	7853986	7853987	7853988
Nominal capacity (ltrs)	170	210	250	300
Insulation Thickness (mm)	60	60	60	60
Insulation Material	PU	PU	PU	PU
Coil rating kW @15l/min at 80°C - +/- 2°C	33	33	37	38
Coil surface area (m²)	2	2	3	3
Coil Heat-up times @15l/min, 80°C primary flow, from 10°C to 60°C (mins)	18.7	21.4	22.9	27.2
External expansion sizes (L)	24	24	24	24
Immersion Element rating kW @240V	3	3	3	3
T&P pressure setting (bar)	10	10	10	10
T&P temperature setting (°C)	90	90	90	90
Pressure reducing valve (bar)	3.5	3.5	3.5	3.5
Pressure (expansion) relief setting (bar)	6	6	6	6
Standing heat loss per day (kWh/24H)	1.38	1.64	1.86	2.02
Standing heat loss per year (kWh/year)	504	599	679	737
Max flow rate (l/min)	76	76	76	76
Global warming potential	3.1	3.1	3.1	3.1
Connections type	28mm H.P. Flow/Return Heating 28mm 22mm DHW/3/4" BSP Male	28mm H.P. Flow/Return Heating 28mm 22mm DHW/3/4" BSP Male	28mm H.P. Flow/Return Heating 28mm 22mm DHW/3/4" BSP Male	28mm H.P. Flow/Return Heating 28mm 22mm DHW/3/4" BSP Male
Electrical heater bosses inc blanks	1 x G1 3/4"	2 x G1 3/4"	2 x G1 3/4"	2 x G1 3/4"
Heat up times based on max immersion input(mins)	195	67	67	67
Cylinder material	Duplex Stainless Steel	Duplex Stainless Steel	Duplex Stainless Steel	Duplex Stainless Steel
The water heating energy efficiency class	B	B	C	C
Storage V in litres @ 3 bar	167	209	246	287
IPX Rating	X1b	X1b	X1b	X1b
Immersion heater material	Incoloy	Incoloy	Incoloy	Incoloy

DIMENSIONS

Model reference	170	210	250	300
Height (mm)	1,280	1,516	1,767	2,082
Width (mm)	700	700	700	700
Diameter (mm)	579	579	579	579
Weight empty (kg)	61	68	74	83
Weight (kg)	228	277	320	370

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

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 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

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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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