

DATA SHEET

Baxi Assure ASHP Cylinder

Created by our hot water experts at
HEATRAESADIA



Designed specifically for Baxi Assure Air Source Heat Pumps, these cylinders deliver exceptional levels of performance.



Corrosion resistant



Easy to install



Rapid heating



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

Key features

IN BUILD AND INSTALLATION

Models available in 210, 250 or 300 litre volumes

Corrosion-resistant stainless steel build – made by the experts at MegaFlo and Heatrae Sadia

High surface area heat exchanger specifically designed to be used with heat pumps

Easy to install

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

Immersion Heater relay kit in box including Immersion Heater Relay, Immersion Heater Relay Box and DHW temperature probe extension

IN OPERATION AND PERFORMANCE

In built interdependent boost heater for rapid hot water production

Low heat loss

Excellent flow rates

Delivers up to 76L/min of hot water at 3 bar pressure

No need for shower pumps or tanks

Up to 10 years' warranty for extra peace of mind

Injected foam insulation gives optimum heat retention and energy efficiency

* Terms and conditions apply.

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Assure ASHP cylinder technical specifications

PRODUCT INFORMATION

	210ltr	250ltr	300ltr
Product code	7837415	7837492	7837563
Nominal Capacity (litres)	210	250	300
Insulation Thickness (mm)	60	60	60
Immersion heater rating (1 x 3kW)	1 x 3	1 x 3	1 x 3
Boost immersion heater (1 x 3kW)	1 x 3	1 x 3	1 x 3
Standing heat loss (kWh/year)	547.5	649.7	748.3
Standing heat loss	1.5kW/24h	1.78kW/24h	2.05kW/24h
Max flow @ 3.5 bar (litres per minute)	76	76	76
Max flow @ 1 bar (litres per minute)	45	45	45
Storage volume in litres @ 3 bar	209	246	289
The water heating energy efficiency class of the model	B	C	C
Maximum supply pressure to incoming mains cold water combination valve (supplied)	1.6MPa (16 bar)		
Minimum recommended supply pressure and flow rate	0.15MPa (1.5 bar) – 20 litres per minute		
Operating pressure	0.35MPa (3.5 bar)		
Inner water container	High grade duplex stainless steel pressure tested to 15 bar		
Thermal Insulation	CFC/HCFC free, fire retardant expanded polyurethane foam with zero zone depletion. GWP = 3.1		
DHW – Expansion relief valve	0.6MPa (6 bar)		
Immersion heater rating (AC supply only)	3kW @ 240V / 2.8kW @ 230V		
Connections	22mm compression / 3/4" BSP male, Secondary return 1/2" BSP female connection		
Domestic Hot Water Expansion	18L (210L) and 24L (250 & 300L)		

COMPONENTS

Immersion	Factory fitted immersion heater and thermal controls. Long-life superloy 825 alloy sheathed elements
Cold Water	Cold Water inlet control kit comprising of: 0.35MPa (3.5 bar) pressure reducing valve 0.6MPa (6 bar) pressure relief valve 1/4 turn isolating valve, line strainer, non return valve, drain valve
Safety	Factory fitted temperature and pressure relief valve set at 90°C / 1MPa (10 bar) inc. T&P valve insulation kit, 22mm tundish, additional thermostat and thermal cut out, 18 and 24 litre DHW expansion vessel with brackets
Electrical	Wiring centre – 28mm 3 port diverter valve
Immersion Heater relay kit	Immersion Heater Relay, Immersion Heater Relay Box and DHW temperature probe extension

VOLUMETRICS

Height (mm)	1524	1837	2088
Width (mm)	579	579	579
Depth (mm)	652	652	652
Weight (kg)	60	69	74