

Specifications

Nominal Capacity (litres)	75	120	150	165	180	210	250	300
Height (mm)	950	950	1150	1250	1350	1550	1550	1850
Diameter (mm)	450	550	550	550	550	550	600	600
Insulation Thickness (mm)	50	50	50	50	50	50	50	50
Immersion heater rating (kW)	3	3	3	3	3	3	3	3
Weight empty (kg)	26	37	44	50	55	61	70	86
Weight full (kg)	101	157	194	215	235	271	320	386
Heat Pump Coil Surface Area (m²)	3	3	3	3	3	3	3	3
Heat Pump Coil Rating (kW)	18	18	18	18	18	18	18	18
Heat Pump Coil Pressure Loss (bar)	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Reheat Time (min)	11	18	23	25	28	32	38	46

Technical Specifications

Maximum incoming pressure to pressure reducing valve (supplied)	12 Bar				
Minimum recommended supply pressure and flow rate	1.5 Bar – 20 litres per minute				
Incoming pressure (standard)	2.1 Bar				
Material	Copper				
Insulation material (nominal thickness 50mm)	CFC/HCFC free, fire retardant expanded polyurethane foam ZERO ozone depletion potential (ODP) Global warming potential (GWP) = 3.1. Cased Units 1.0				
Pressure relief valves fitted	3.5 Bar + PTRV 4.5 Bar				
Immersion heater/s	3kW at 240V				
Connections	22mm compression. Secondary return 180L and above				
Domestic hot water expansion	Nitrogen filled expansion vessel appropriately sized for capacity of cylinder				

ERP / Heat Loss Data

Capacity (litres)	75	120	150	180	210	250	300
Insulation Thickness (mm)	50	50	50	50	50	50	50
Standing loss (W)	45	52	56	59	63	68	75
Standing loss (kWh/24h)	1.08	1.24	1.33	1.43	1.52	1.64	1.79
Water heating energy efficiency class	B	B	B	C	C	C	С

Heat Loss Figures based on White Case Insulation. Other Insulation options & thicknesses are available.

Components

The following components are supplied as standard with ECOflow Cylinder

Immersions	Factory fitted Immersion heater/s with high limit stat
Cold Water	22mm Pressure Reducing Valve + Strainer 22mm Check Valve
Safety	Factory fitted Temperature and Pressure relief valve at 90°C & 4.5Bar Factory fitted Expansion Relief Valve set at 3.5Bar 15 x 22mm Tundish High limit stat
Electrical	22mm 2 port motorised valve

Codes of Practice/Legislation

Legislation

- · Building Regulations Part G and Part L
- Scottish Building Standards: Section 4 and Section 6.
- Building Regulations (Northern Ireland): Part F1, F2 & P
- Water Supply (Water Fittings) Scotland Byelaws 2014
- The Water Supply (Water Fittings) Regulations 1999
- The Water Supply (Water Fittings) Regulations (Northern Ireland) 2009

Standards

- BS EN 12897:2006 "Water Supply. Specification for indirectly heated unvented (closed) storage water heaters."
- BS 1566-1 2002 + A1 2011 "Copper Indirect Cylinders for domestic purposes. Requirements and test methods."

Materials chosen, adhering to:

- BS 2871-1:1971 "Specification for copper and copper alloys. Tubes. Copper tubes for water, gas and sanitation."
- BS EN 1057:2006 + A1:2010 "Copper and copper alloys. Seamless, round copper tubes for water and gas in sanitary and heating
 applications."
- BS EN 1254:1998 (1 5) "Copper and copper alloys. Plumbing fittings."

Factory manufactured, adhering to:

• BS EN ISO 9001:2015 "Quality management systems. Requirements."

ERP Regulations:

• Commission Delegated Regulation (EU) No 812/2013

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