

Water & Energy
Hot Water Energy Storage
UK & ROI

NEW
Extended Heat
Pump Range

Including HP Slimline &
HP Cylinder with
Integral Buffer

Product Overview

Albion Aerocyl

Unvented Hot Water Cylinders & Buffer Tanks for Heat Pump Systems



kingspancylinders.com



Product Info

Albion Aerocyl

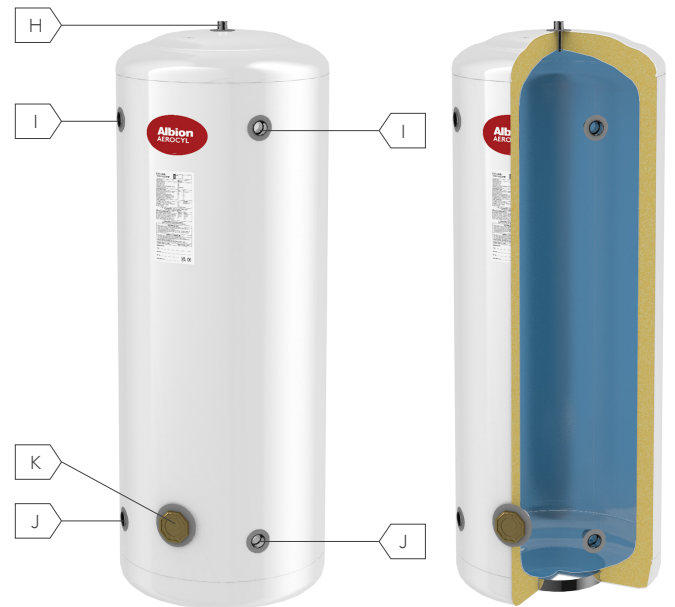
All cylinders supplied with:



Key Features†:

- 28mm coil heat exchanger for maximum heat transfer rated up to 32kW**
- Suitable for use with a wide range of heat pumps available on the market
- Mains pressure hot water (regulated up to 3 bar) for powerful showers
- High flow rates - ideal for multiple bathrooms and fast filling of baths
- Well insulated with low heat loss
- Oxygen purge welded Duplex stainless steel inner vessel for superior corrosion resistance
- Guaranteed# for 10 years on Duplex inner vessel against manufacturing defects and 2 years on parts

Buffer Tank (Heating System)



Connections

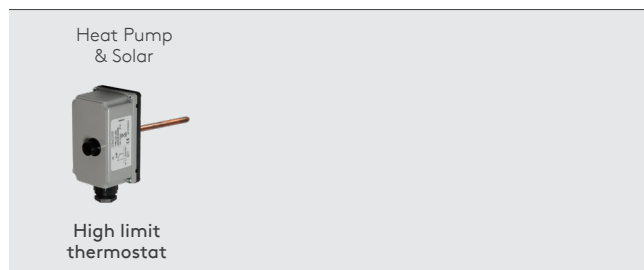
- | | |
|--|---|
| A 22mm Cold feed with dip pipe to diffuser in bottom of cylinder | H Open vent - 22mm Compression (3/4" Male BSP without nuts) |
| B 22m Hot water outlet | I Flow - 22mm Compression (3/4" Male BSP without nuts) |
| C Immersion heater* | J Return - 22mm Compression (3/4" Male BSP without nuts) |
| D1 22mm Heat pump coil connections | K Inspection hatch 1 3/4" Female boss & blanking plate |
| D2 22mm Solar coil connections | |
| E Temperature & pressure relief valve* | |
| F 22mm Secondary return (for cylinders with a capacity of 210L and above only) | |
| G Dry stat pocket | |



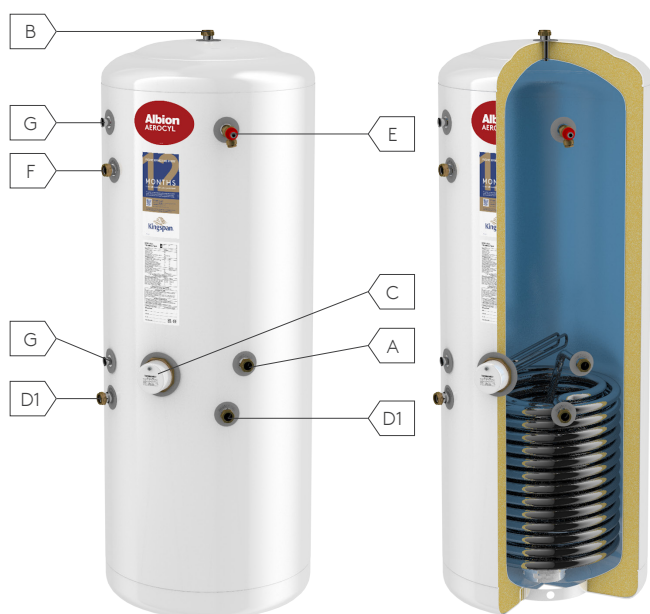
* Factory fitted to a cylinder (not buffer tanks). **Subject to delivering the required heat load to the coil through required flow rates and pipe sizing.



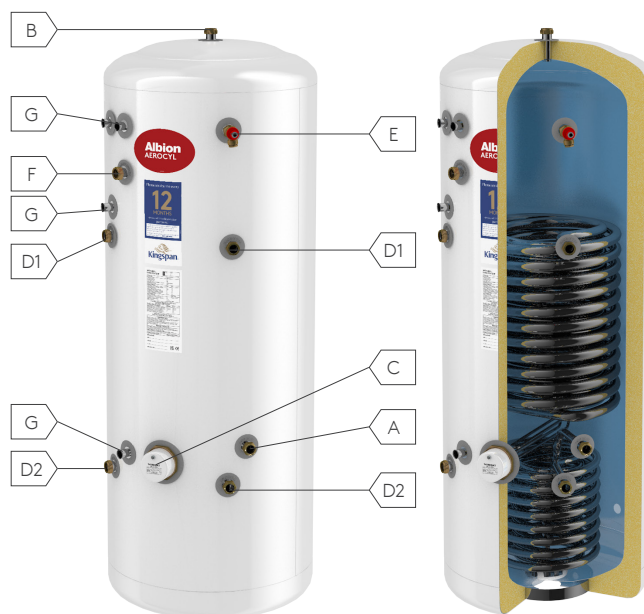
Selected models supplied with:



Indirect Heat Pump Cylinders (DHW)



Indirect Heat Pump & Solar Cylinders (DHW)



Form Factor	Nominal Capacity (Litres)	Height (mm)	Diameter (mm)	Buffer Tank	Codes		ErP	
					Indirect Heat Pump Cylinder	Indirect Heat Pump & Solar Cylinder	Rating	Standing Loss (W)
Standard	60	714	475	HPB60ERP	-	-	C	47
	90	1090	475	HPB90ERP	-	-	C	58
	150	1117	550	HPB150ERP	HP150ERP	-	C	59
	180	1305	550	HPB180ERP	HP180ERP	HPS180ERP	C	67
	210	1493	550	HPB210ERP	HP210ERP	HPS210ERP	C	75
	250	1744	550	-	HP250ERP	HPS250ERP	C	84
	300	2057	550	-	HP300ERP	HPS300ERP	C	93
Slimline	150	1458	475	-	HP150SLMERP	-	C	66
	180	1708	475	-	HP180SLMERP	-	C	72
	210	2021	475	-	HP210SLMERP	-	C	87

Note: Do not use immersion heaters as the primary heat source.
All guarantees subject to Terms and Conditions including an annual servicing requirement.

†Note: Key Features refer to cylinder models only.
All dimensions ±3mm unless stated otherwise.

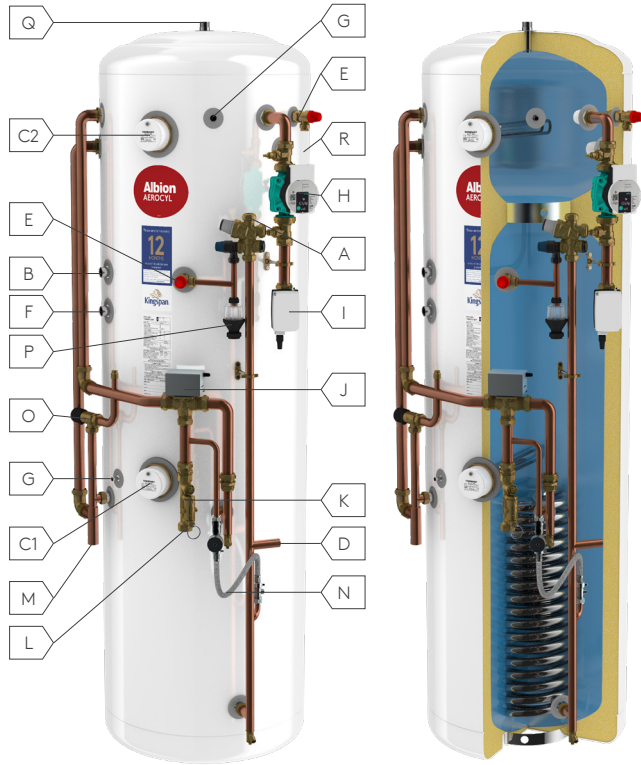
New Albion Aerocyl Unvented HP Cylinder with Integral Buffer

Key Features:

- Space saving solution with half the footprint of a standard installation
- 28mm coil heat exchanger for maximum heat transfer rated up to 32kW**
- Mains pressure hot water (regulated up to 3 bar) for powerful showers
- Good flow rates for fast filling of baths, ideal for multiple bathrooms
- Well insulated with low heat loss
- Guaranteed[#] for 10 years on Duplex inner vessel against manufacturing defects and 2 years on parts

Connections

- | | | |
|---------------------------------------|--|--|
| A 22mm Inlet control set cold feed | F 22mm Secondary return | L 28mm Flow - HP |
| B 22mm Hot water draw-off | G 10mm Dry stat pocket | M 28mm Return - HP |
| C1 3kW Immersion heater | H Circulating pump* | N Filling loop |
| C2 3kW Immersion heater* | I 28mm Two port valve to heating system* | O Balancing bypass valve |
| D Tee to potable expansion vessel | J 28mm Three port diverter valve | P Anti splash tundish |
| E Temperature & pressure relief valve | K Flow regulator* | Q Air release valve |
| | | R Return from heating system (behind pump) |



Nominal Capacity (L)		Height (mm)	Dia. (mm)	Codes	ErP	
Cylinder	Buffer				Rating	Standing Loss, (W)
180	50	1711	550	HPIB180/50P0ERP	C	64
210	50	1899	550	HPIB210/50P0ERP	C	68
240	50	2103	550	HPIB240/50P0ERP	C	80




Buffer Kit - 1054006

- Circulator pump & cable
- 28mm two port valve
- 3kW Immersion heater & O-ring

Heat Pump Kit - 1054015

- Flow regulator with sight glass
- Magnetic filter with 28mm isolation valves

*Supplied separately as part of a kit. **Subject to delivering the required heat load to the coil through required flow rates and pipe sizing.

 KingspanWaterandEnergy
 @KingspanWatEner
 KingspanWaterEnergy

Kingspan Water & Energy Ltd.
 Tadman Street | Wakefield
 West Yorkshire | WF1 5QU
 UK: hotwater@kingspan.com

T: (GB) +44 (0) 345 260 0258
 T: (NI) +44 (0) 28 3836 4520
 T: (ROI) +353 (0) 42 969 0022
 ROI: cylindersinfo@kingspan.com

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