

**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](http://kingspancylinders.com)

  
**Kingspan**®

# Product Info

## Albion Aerocyl

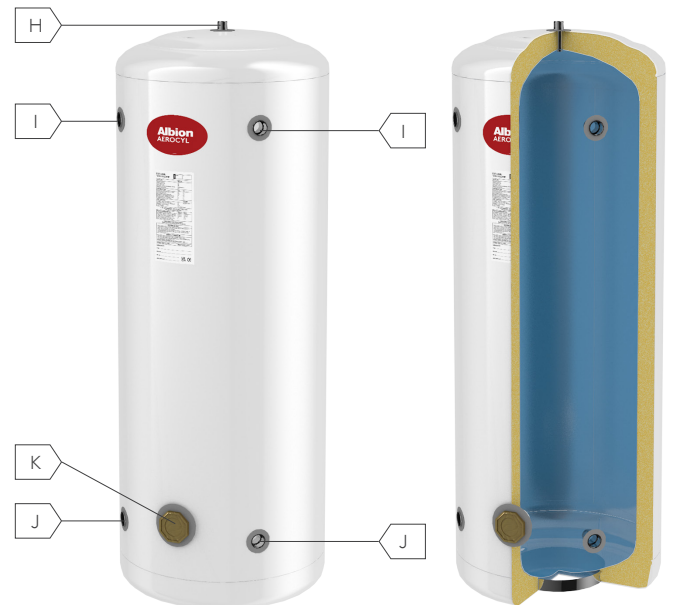
All cylinders supplied with:



### 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

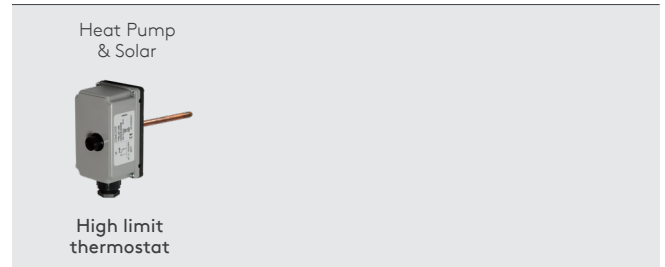
- |  |   |
|--|---|
| A 22mm Cold feed with dip pipe to diffuser in bottom of cylinder               | H Open vent - 22mm Compression (3/4" Male BSP without nuts) |
| B 22m Hot water outlet   | I Flow - 1" Female BSP                                      |
| C Immersion heater*  | J Return - 1" Female BSP                                    |
| 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  |   |



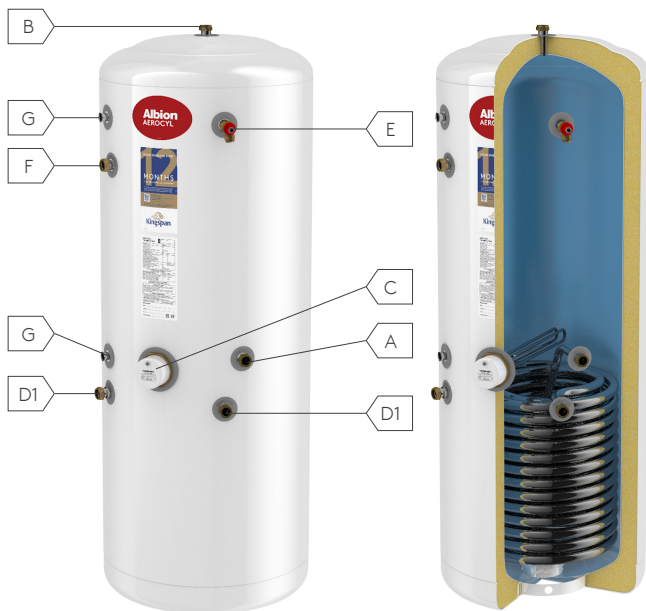
\* Factory fitted to a cylinder (not buffer tanks). \*\*Subject to delivering the required heat load to the coil through required flow rates and pipe sizing.



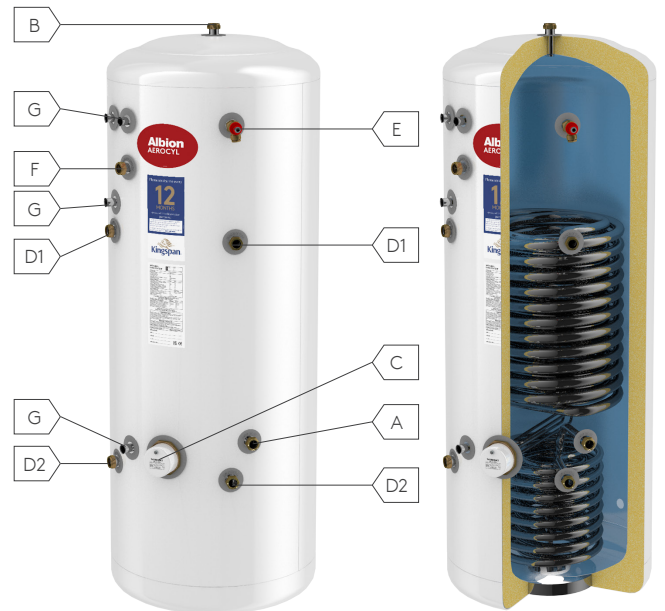
Selected models supplied with:



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.

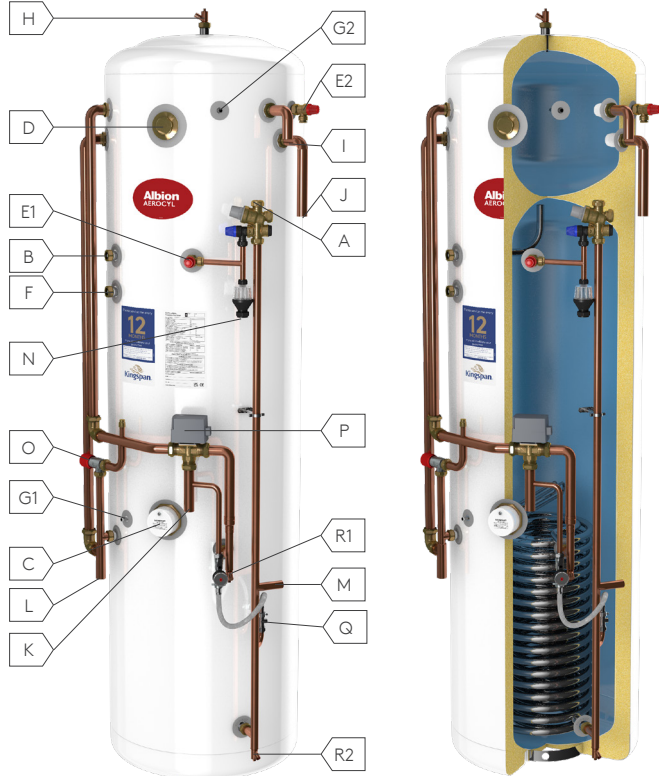
# New Albion Aerocyl Unvented HP Cylinder with Integral Buffer

## 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<sup>#</sup> for 10 years on Duplex inner vessel against manufacturing defects and 2 years on parts

## Connections

- |  |                                       |   |
|--|---------------------------------------|---|
| A Inlet control set cold feed - 22mm Compression                     | F 22mm Secondary return               | M 22mm Tee to potable expansion vessel          |
| B Hot water draw-off - 22mm Compression (3/4" Male BSP without nuts) | G1 10mm Dry stat pocket - Cylinder    | N Anti-splash tundish 22mm discharge connection |
| C 3kW Immersion heater   | G2 10mm Dry stat pocket - Buffer Tank | O Balancing bypass valve                        |
| D Inspection hatch 1 1/2" Female boss and blanking plate             | H Air Vent                            | P 28mm Three port valve                         |
| E1 Temperature & pressure relief valve - Cylinder                    | I 28mm Flow to heating system         | Q Filling loop                                  |
| E2 Temperature & pressure relief valve - Buffer Tank                 | J 28mm Return from heating system     | R1 Drain Cock - Cylinder                        |
|  | K 28mm Flow from heat pump            | R2 Drain Cock - Heating system incl. buffer     |
|  | L 28mm Return to heap 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	75
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

\*Subject to delivering the required heat load to the coil through required flow rates and pipe sizing.

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To ensure you are viewing the most recent and accurate product information, please visit this link:  
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