

Kingspan Cylinders Product Guide

The home of industry leading brands - Range Tribune, Albion Ultrasteel, Aerocyl and Ferham



Kingspan Cylinders - 95 years of UK manufacturing excellence

From our home in Wakefield, West Yorkshire, we have a proud 95-year history of designing and manufacturing products that store and deliver consistently reliable hot water to people's homes. We have a proven track record of innovative long-lasting products that continue to meet the evolving hot water demands of UK homes.

Our hot water cylinders are renowned for their premium quality and reliability. Our commitment to achieving ever higher standards, through a programme of continued testing and product improvement, as well as minimising our environmental impact, is recognised by our BS EN ISO 9001:2015, ISO 37301 and ISO 14001 accreditations.



Kingspan are Charter Members of the Hot Water Association and undertake to meet the requirements of the Charter Scheme:

- To supply fit-for-purpose products clearly and honestly described;
- To supply products that meet or exceed appropriate standards and building and water regulations;
- To provide pre- and post- technical support;
- To provide clear and concise warranty details to customers.

For further details on the Charter please visit the HWA Charter web page at www.hotwater.org.uk/hwa-charter.

When to use hot water cylinders?

While many people associate hot water cylinders with situations where a like-for-like technology replacement is needed, their benefits extend far beyond that. Here are some compelling reasons to consider using hot water cylinders:

- 1. High hot water demand:** Larger homes with multiple bathrooms require a system capable of supporting the simultaneous usage of hot water at various outlets throughout the property. A hot water cylinder is the perfect solution to this scenario.
- 2. Off-gas grid properties:** Hot water cylinders benefit properties in all locations, from city centre high-rise apartments to homes in rural areas or anywhere without access to natural gas. These properties rely on alternative heat sources like electric immersion heaters or oil boilers, which require time to heat water. Hot water storage is an essential part of any system.
- 3. Renewable energy:** As the UK aims for more sustainable housing sector, heat pumps and solar PV are becoming more common. These systems require specialised cylinders to ensure an abundant supply of hot water, through the use of advanced smart technology or high-performance heat exchangers.

In summary, hot water cylinders offer efficient solutions for meeting diverse hot water needs, whether due to high demand, off-grid locations, or sustainability goals. Their widespread use ensures homeowners can fully utilise their properties while enjoying a reliable user experience.

Technical helpline

For expert advice when you need it contact us.

Call us on:
0345 260 0258

Or log your query online at:



Hot water brands you love

Range Tribune MXi

Pages 5-8



With Mixergy smart technology, Range Tribune MXi unvented solar PV cylinders feature an innovative top-down heating method that allows users to select how much of the hot water in the cylinder to heat, all at the touch of an app. The cylinder's PV diverter allows householders to use surplus solar PV electricity to heat more of the water for free, as well as access smart energy tariffs. All this contributes to improved SAP and EPC ratings.

Range Tribune Xe

Pages 9-12



Our premium hot water cylinders, Range Tribune Xe, have been optimised to deliver a top energy efficient performance. Features including 30% more insulation and an advanced coil-in-coil heat exchanger contribute to top class heat retention characteristics and outstanding SAP performance. Meanwhile, built-in thermal expansion eliminates the need for an external expansion vessel, saving space and reducing installation times.

Range Tribune HE

Pages 13-16



Our Range Tribune HE cylinders are manufactured from high-grade engineering materials to strike the perfect balance for the installer and householders between reliability, functionality and good value. Cylinders feature an external thermal expansion vessel and – with nearly 40 models available – come in a variety of configurations. These include slimline options as well as pre-plumbed models for fast installation and where house-to-house consistency is a must.

Albion Ultrasteel

Pages 17-22



Our widest selection of unvented cylinders, Albion Ultrasteel and Ultrasteel+ models, are ideal for retrofit installations. Albion Ultrasteel is the original option, manufactured from high-grade materials and offering slimline and horizontal versions for small cupboard and loft installations respectively. Ultrasteel+ cylinders feature built-in thermal expansion, saving space and reducing installation times. Our new compact Ultrasteel+ utility stand direct unvented cylinders complete the range.

Albion Aerocyl

Pages 23-26



Our Albion Aerocyl unvented hot water cylinders and buffer tanks are compatible with all leading manufacturers' heat pumps. Featuring purpose-designed coils, Aerocyl cylinders use renewable heat sources to deliver reliable hot water: heat pump cylinders use a heat pump as the source, whilst heat pump & solar cylinders use a heat pump to complement the solar thermal system. Meanwhile, buffer tanks increase the volume of water in the heating system and maximise its efficiency.

Albion Vented and Ferham Tanks

Pages 27-31



For use in traditional open vented heating systems, Albion Vented cylinders are our cheap, fast and minimum-hassle replacement option for a copper vented cylinder at the end of its working life. Standard versions are used alongside a separate Ferham feed and expansion (F&E) potable cold water storage tank in the loft. Combi versions combine the cold water cistern and hot water tank in a single unit, meaning there's no need for a separate F&E tank.

Why choose Kingspan

Quality and reliability

We understand the importance of hot water in daily life. That's why we make quality one of our top priorities. Through rigorous testing and clever component selection, we're able to back our products with an extended guarantee.

Functionality

Our products are designed to be easy to install and simple to use, with minimal maintenance and minimal annual servicing needed to ensure they continue to reliably supply hot water for years to come.

Service and expertise

As part of the wider Kingspan Group we pride ourselves on providing outstanding customer service, all backed up by our extensive technical knowledge to give you the support you need. This includes a full team of Kingspan service engineers across the UK.



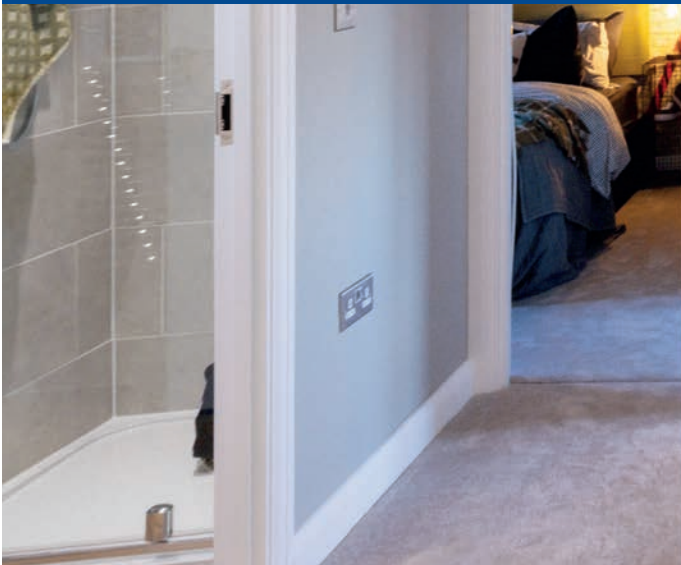
Market sectors

Our extensive expertise in domestic hot water energy storage and our wide product portfolio mean we have a solution to suit your needs, no matter the sector you work in.



Range Tribune Mxi

PV cylinders with Mixergy smart technology
for an enhanced SAP performance



Find out more...



Product info

Range Tribune MXi

All cylinders supplied with:



Inlet control set
with balanced cold
(3 bar PRV, 8 bar
expansion relief)



Anti-splash
tundish
22mm x 15mm



Temperature &
pressure relief valve
3/4" BSP union nut x 15mm
(10 bar / 90°C)



Stratification
pump

Introduction

The Range Tribune MXi: A revolutionary new unvented cylinder featuring Mixergy smart technology. These indirect cylinders use Mixergy's thermal sensor that runs down the whole length of the inner vessel and combined with the novel top-down heating method allows total control, enabling users to select precisely how much of the cylinder to heat for their basic needs.

The cylinder can then top up using any surplus electricity from solar PV to heat more of the water for **free**, or access discounted electricity from smart tariffs offered by utility companies.

Notably, the Range Tribune MXi will soon be recognised in SAP and is pending Appendix Q listing, enabling developers to enhance their build's SAP rating and optimise their build costs, offering not only a better-performing structure but also real added value for buyers.



Key features:

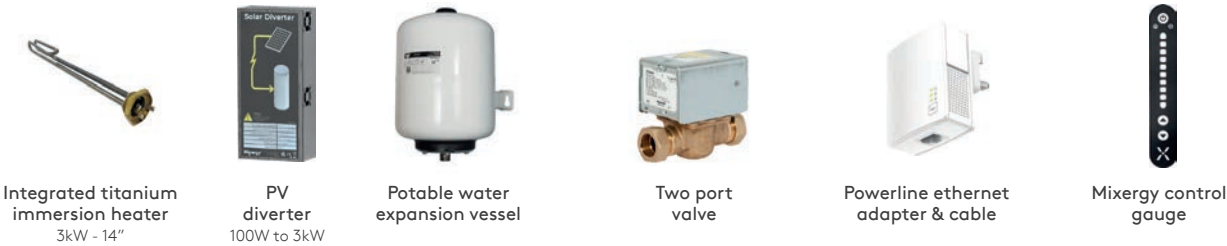
- PV diverter enabling the use of **FREE** electricity from solar PV panels
- Mixergy smart controls, including machine learning to optimise energy usage
- Grid-enabled for use with smart energy tariffs* from your electricity company
- Control the cylinder from a smart phone or smart speaker** with the Mixergy app
- Choose what percentage of the cylinder is heated to meet your basic needs
- Mains pressure hot water (regulated up to 3 bar) for powerful showers
- Good flow rates for fast filling of baths, ideal for multiple bathrooms
- Advanced coil-in-coil heat exchanger design for optimum heat transfer
- Titanium immersion heater
- Heat-pump ready with auxiliary flow and return bosses to connect an external plate heat exchanger
- Oxygen purge welded duplex stainless steel inner vessel for superior corrosion resistance†
- Guaranteed‡ for 25 years on duplex inner vessel against manufacturing defects and two years on parts

* Subject to availability from your utility provider

** Google Assistant or Amazon Alexa

† In comparison with non oxygen purged welding processes

All guarantees subject to Terms and Conditions including an annual servicing requirement.



Connections

- A 22mm Cold feed
- B 22m Hot water outlet
- C Immersion heater with PV diverter
- D 22mm Boiler coil connections
- E Temperature & pressure relief valve
- F 22mm Secondary return (for cylinders with a capacity of 220L and above only)
- G Pump assembly
- H 22mm Auxiliary flow and return bosses for plate heat exchanger
- I Auxiliary thermostat pocket
- J Wiring centre
- K Mixergy control gauge

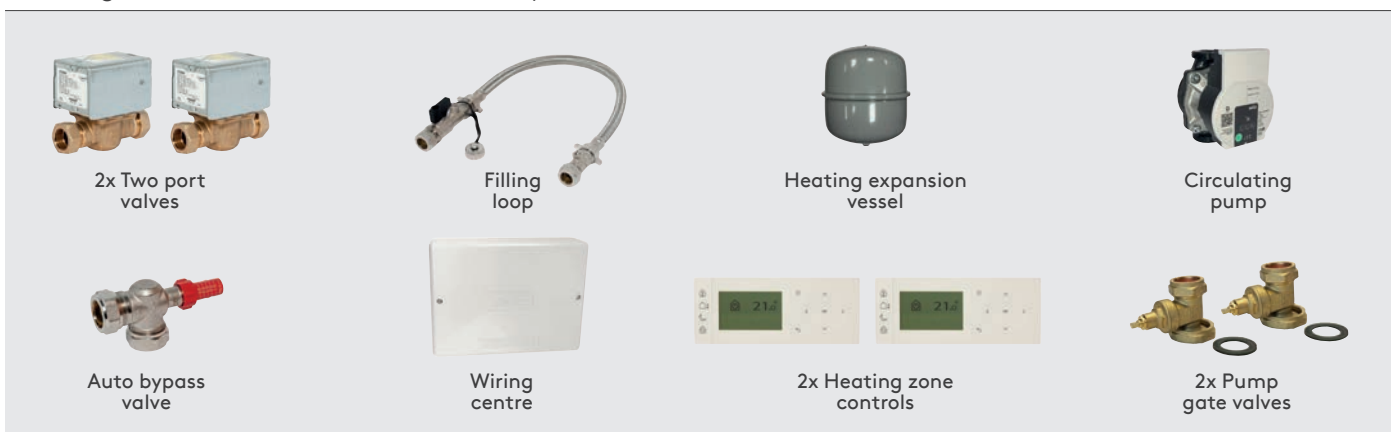


Nominal capacity (Litres)	Height (mm)	Dia. (mm)	Codes		Heat loss (kW/24h)	Coil rating (kW)	Energy storage capacity (kWh)	ErP	
			Indirect PV cylinder no heating kit	Indirect PV cylinder with heating kit				Rating	Standing loss (W)
130	1000	583	MXPV130TNERP	MXPV130TNUPTERP	1.33	19.9	8	C	56
160	1186	583	MXPV160TNERP	MXPV160TNUPTERP	1.27	21.9	10	B	53
190	1368	583	MXPV190TNERP	MXPV190TNUPTERP	1.52	23.9	12	C	64
220	1558	583	MXPV220TNERP	MXPV220TNUPTERP	1.63	23.8	14	C	68
260	1805	583	MXPV260TNERP	MXPV260TNUPTERP	1.73	24.1	16	C	73
310	2075	583	MXPV310TNERP	MXPV310TNUPTERP	1.69	23.8	20	C	71

All dimensions ±3mm unless stated otherwise.

Range Tribune MXi with heating kits

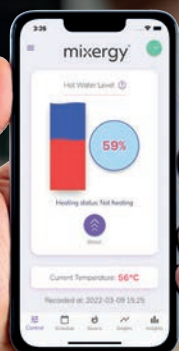
Heating kit (Twin zone) UPT models only:



The Mixergy Apps

In developing the Range Tribune MXi cylinders, Kingspan collaborated with Mixergy to create one of the smartest domestic hot water cylinders on the market today.

Giving users unparalleled levels of control over their hot water cylinder from any Alexa or Google smart speaker or Apple or Android smartphone.



USERS

Mixergy App for homeowners or landlords to control the hot water cylinder:



Download on the
App Store

GET IT ON
Google play



INSTALLERS

Mixergy Enterprise Installer App to set up and commission the cylinder:



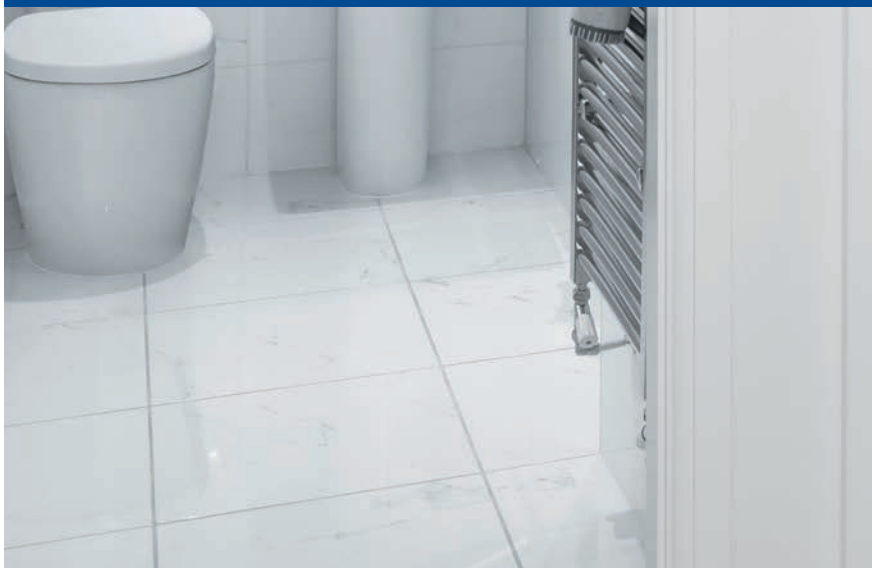
Download on the
App Store

GET IT ON
Google play



Range Tribune Xe

30% more insulation and internal thermal expansion for outstanding SAP performance



Find out more...



Product info

Range Tribune Xe

All cylinders supplied with:

Introduction

Our premium hot water cylinders, Kingspan Range Tribune Xe, have been optimised to deliver a top energy efficient performance.

A variety of direct, indirect and renewable-compatible models is available, including pre-plumbed options that significantly reduce installation times.



Inlet control set with balanced cold
(3 bar PRV, 8 bar expansion relief)



Anti-splash tundish
22mm x 15mm

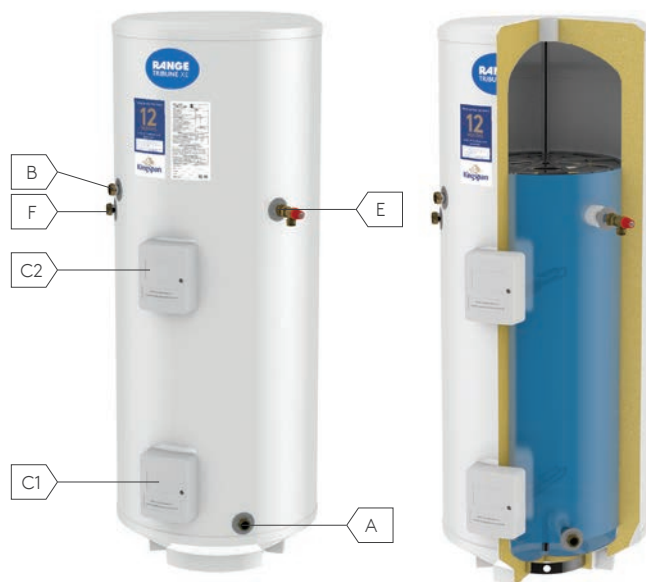


Temperature & pressure relief valve*
1/2" BSP union nut x 15mm
(10 bar / 90°C)

Key features:

- 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
- Low reheat times for fast availability of hot water
- Oxygen purge welded duplex stainless steel inner vessel for superior corrosion resistance[‡]
- Advanced coil-in-coil heat exchanger design for optimum heat transfer
- Guaranteed[#] for 25 years on duplex inner vessel against manufacturing defects and two years on parts

Direct cylinders



Connections

- | | |
|---|--|
| A 22mm Cold feed with dip pipe to bottom of cylinder | D2 22mm Solar coil connections |
| B 22mm Hot water outlet | E 1/2" Temperature & pressure relief valve connection* |
| C1 Immersion heater with integrated thermostat* | F 22mm Secondary return (210L cylinders and above) |
| C2 Secondary immersion heater with integrated thermostat* (all Direct cylinders, and 250 & 300L Indirect cylinders) | G1 Dry stat pocket – solar control |
| D1 22mm Boiler coil connections | G2 Dry stat pocket – high limit |

* Factory fitted to a cylinder.

All guarantees subject to Terms and Conditions including an annual servicing requirement.

‡ In comparison with non oxygen purged welding processes.



Selected models supplied with:



Integrated titanium immersion heater*
3kW - 14"

Indirect and Solar indirect



Two port valve

Indirect and Solar indirect



Integrated dual thermostat for boiler

Direct



Integrated dual thermostat for immersion

Solar indirect



High limit thermostat

Indirect cylinders



Solar indirect cylinders



			ErP (Cylinders with coil)				ErP (Electrically heated cylinders)						
Nominal capacity (Litres)	Height (mm)	Dia. (mm)	Indirect codes	Solar indirect codes	Rating	Standing loss (W)	Direct codes	Rating	Load profile	Noise level (dB)	Efficiency (%)	AEC kWh/ year	
120	1000	583	TXN120ERP	-	B	45	TXD120ERP	C	L	15	39.3	2604	
150	1186	583	TXN150ERP	-	B	48	TXD150ERP	C	M	15	39.0	1315	
180	1368	583	TXN180ERP	TXSN180ERP	B	53	TXD180ERP	C	L	15	37.7	2716	
210	1558	583	TXN210ERP	TXSN210ERP	B	58	TXD210ERP	C	L	15	37.4	2735	
250	1805	583	TXN250ERP	TXSN250ERP	C	68	TXD250ERP	C	L	15	37.0	2766	
300	2075	583	TXN300ERP	TXSN300ERP	C	72	TXD300ERP	C	L	15	39.0	2622	

All dimensions ± 3 mm unless stated otherwise.

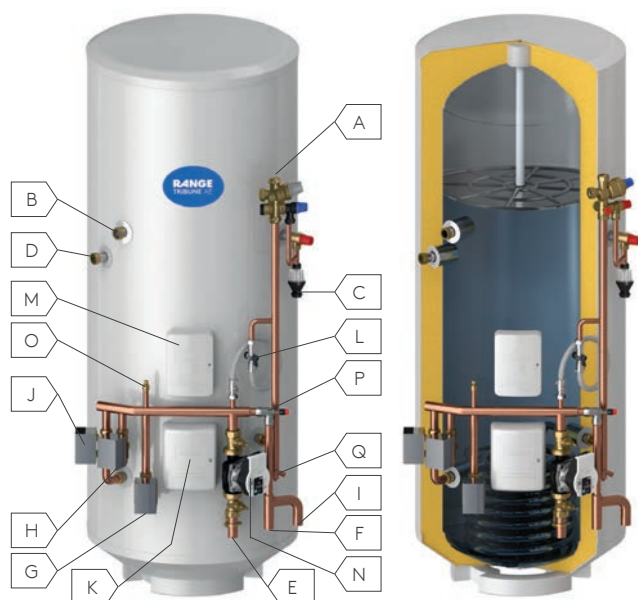
Note: Do not use immersion heaters as the primary heat source on indirect or solar indirect cylinders.

Product info

Range Tribune Xe

2.5 times faster to install than a regular non pre-plumbed cylinder

Pre-plumbed indirect - standard or system-fit cylinders, single or twin zone



Pre-plumbed solar indirect cylinders, single or twin zone



Connections

- | | | | |
|--|--|---|---------------------------------|
| A 22mm Inlet control set – cold feed | E 28mm Flow from boiler | J DHW two port valve | O Manual bottle air eliminator |
| B 22mm Hot water draw-off | F 28mm Return to boiler | K Immersion heater & dual thermostats (not to be used as the primary heat source) | P Auto bypass valve |
| C 22mm Tundish drain off | G 22mm Central heating flow - two port valve (Single zone) | L Filling loop flexible hose | Q Cold feed drain |
| D 22mm Secondary return (210L, 250L & 300L only) | H 22mm Central heating flow - two port valve (Twin zone) | M Wiring centre | R1 Dry Stat pocket – Solar |
| | I 28mm Central heating return | N Circulating pump (excluding system-fit) | R2 Dry Stat pocket – High limit |
| | | | S 22mm Solar coil connections |

Nominal capacity (Litres)	Height (mm)	Dia. (mm)	Codes					Rating	Standing loss (W)
			Pre-plumbed indirect single zone	Pre-plumbed indirect twin zone	Pre-plumbed indirect system-fit twin zone	Pre-plumbed solar indirect single zone	Pre-plumbed solar indirect twin zone		
120	1000	583	TXN120PERP	TXN120PTERP	TXN120PSBERP	-	-	B	45
150	1186	583	TXN150PERP	TXN150PTERP	TXN150PSBERP	-	-	B	48
180	1368	583	TXN180PERP	TXN180PTERP	TXN180PSBERP	TXSN180PERP	TXSN180PTERP	B	53
210	1558	583	TXN210PERP	TXN210PTERP	TXN210PSBERP	TXSN210PERP	TXSN210PTERP	B	58
250	1805	583	TXN250PERP	TXN250PTERP	TXN250PSBERP	TXSN250PERP	TXSN250PTERP	C	68
300	2075	583	TXN300PERP	TXN300PTERP	TXN300PSBERP	TXSN300PERP	TXSN300PTERP	C	72

Note: Do not use immersion heaters as the primary heat source on indirect or solar indirect cylinders. All dimensions ± 3 mm unless stated otherwise.

Single Zone cylinders come with 2x two port valves, one for DHW & one for space heating, Twin Zone cylinders come with 3x two port valves, one for DHW & two for space heating.

Range Tribune HE

The original high-efficiency cylinder with pre-plumbed models for fast installation



Find out more...



Product info

Range Tribune HE

All cylinders supplied with:

Introduction

Kingspan Range Tribune HE cylinders strike the perfect balance between reliability, functionality and good value.

A choice of direct, indirect and renewable-compatible models is available, including slimline versions that save space, and pre-plumbed options for fast installation.



Inlet control set with balanced cold
(3 bar PRV, 6 bar expansion relief)



Anti-splash tundish
22mm x 15mm



Temperature & pressure relief valve*
1/2" NPT x 15mm
(7 bar / 90°C)



Potable water expansion vessel

Key features:

- Pre-plumbed cylinder models are 2x faster to install and maintain installation consistency from house to house
- 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 and low reheat times
- Oxygen purge welded duplex stainless steel inner vessel for superior corrosion resistance†
- Advanced coil-in-coil heat exchanger design for optimum heat transfer
- Guaranteed‡ for 25 years on duplex inner vessel against manufacturing defects and two years on parts

Direct cylinders



Connections

- | | |
|--|--|
| A 22mm Cold feed with dip pipe to bottom of cylinder | D1 22mm Boiler coil connections |
| B 22mm Hot water outlet | D2 22mm Solar coil connections |
| C Immersion heater* | E Temperature & pressure relief valve* |
| | F 22mm Secondary return (for cylinders with a capacity of 210L and above only) |
| | G Dry stat pocket |

Direct cylinders come with:
1x Standard immersion heater
1x Smart immersion heater

Indirect cylinders come with:
1x Standard immersion heater
(250L & 300L cylinders come with 2x standard immersion heaters)

Solar Indirect cylinders come with:
1x Standard immersion heater

* Factory fitted to a cylinder.

‡ All guarantees subject to Terms and Conditions including an annual servicing requirement.

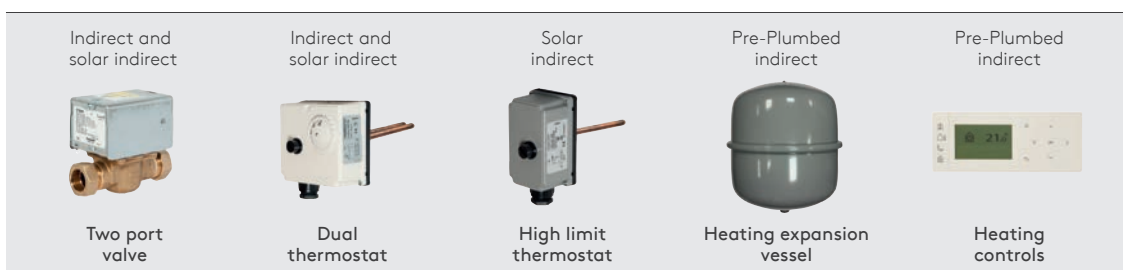
† In comparison with non oxygen purged welding processes.



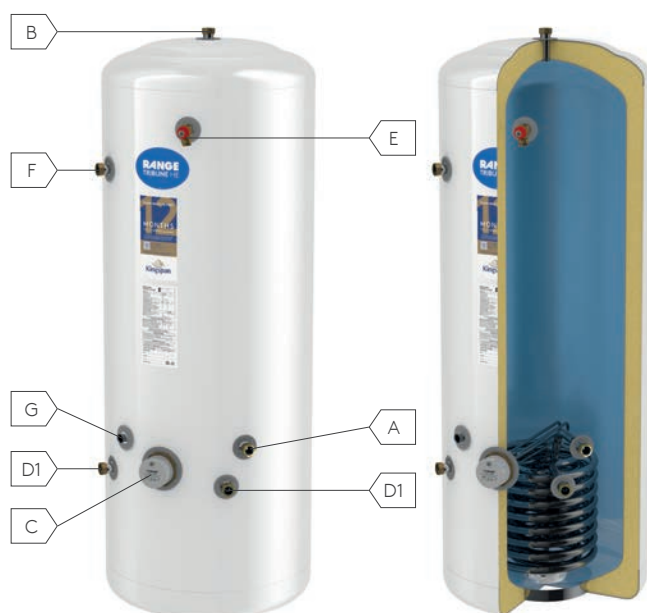
Selected models supplied with:



Immersion
heater/heaters*



Indirect cylinders



Solar indirect cylinders



Form factor	Nominal capacity (Litres)	Height (mm)	Dia. (mm)	ErP (Cylinders with coil)				ErP (Electrically heated cylinders)					
				Indirect codes	Solar indirect codes	Rating	Standing loss (W)	Direct codes	Rating	Load profile	Noise level (dB)	Efficiency (%)	kWh/year
Standard	120	930	550	TI120ERP	-	C	54	TD120ERP	B	M	15	39.9	1222
	150	1117	550	TI150ERP	-	C	59	TD150ERP	C	L	15	39.0	2628
	180	1305	550	TI180ERP	TT180ERP	C	67	TD180ERP	C	L	15	41.0	2425
	210	1493	550	TI210ERP	TT210ERP	C	75	TD210ERP	C	L	15	38.3	2672
	250	1744	550	TI250ERP	TT250ERP	C	84	TD250ERP	C	L	15	38.4	2669
	300	2057	550	TI300ERP	TT300ERP	C	93	TD300ERP	C	L	15	40.9	2504
Slimline	90	1089	475	TIS90ERP	-	C	58	TDS90ERP	B	M	15	58.9	872
	120	1276	475	TIS120ERP	-	C	56	TDS120ERP	C	L	15	39.5	2589
	150	1465	475	TIS150ERP	-	C	66	TDS150ERP	C	L	15	38.1	2689
	180	1714	475	TIS180ERP	-	C	72	TDS180ERP	C	L	15	39.2	2640
	210	2027	475	TIS210ERP	-	C	87	TDS210ERP	C	L	15	39.4	2597

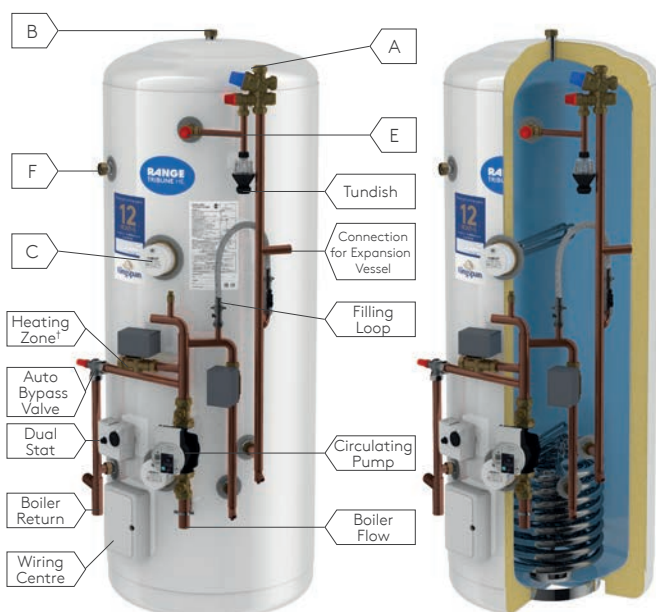
All dimensions ± 3 mm unless stated otherwise.

Note: Do not use immersion heaters as the primary heat source on indirect or solar indirect cylinders.

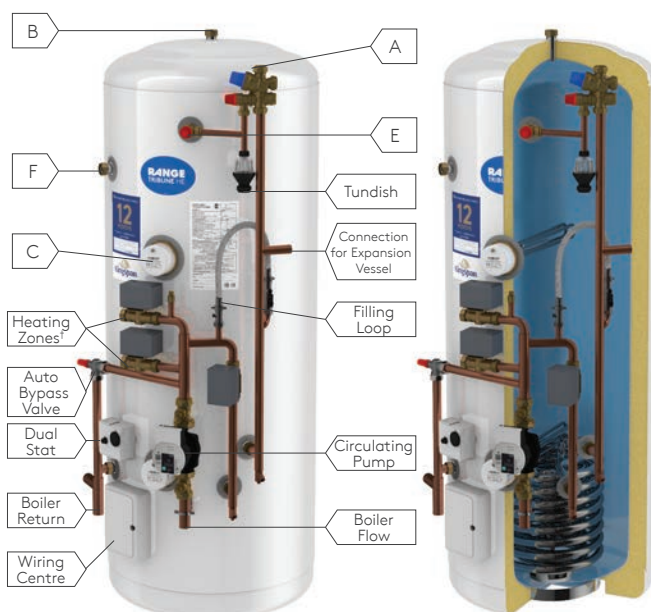
Product info

Range Tribune HE

Pre-Plumbed indirect cylinders single zone



Pre-Plumbed indirect cylinders twin zone



Pre-plumbed solar indirect models also available

Connections

- A 22mm Cold feed with dip pipe to bottom of cylinder
- B 22mm Hot water outlet
- C Immersion heater*

Indirect cylinders come with:
1x Standard immersion heater
(250L & 300L come with two)

Solar Indirect cylinders come with:
1x Standard immersion heater
D1 22mm Boiler coil connections

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

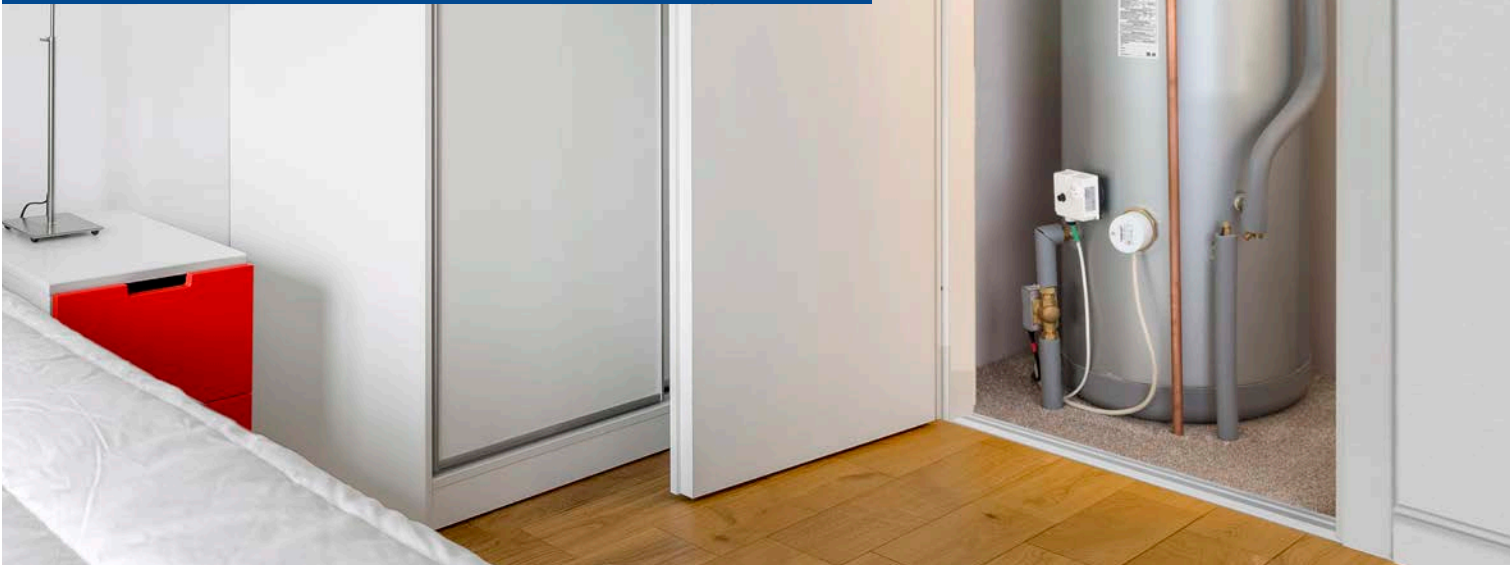
Nominal Capacity (Litres)	Height (mm)	Dia. (mm)	Codes					Rating	Standing loss (W)
			Pre-Plumbed indirect single zone codes	Pre-Plumbed indirect twin zone	Pre-Plumbed indirect twin zone (No controls)	Pre-Plumbed solar indirect single zone	Pre-Plumbed solar indirect twin zone		
120	930	550	TI120P4ERP	TI120PT4ERP	TI120PT3ERP	-	-	C	54
150	1117	550	TI150P4ERP	TI150PT4ERP	TI150PT3ERP	-	-	C	59
180	1305	550	TI180P4ERP	TI180PT4ERP	TI180PT3ERP	TT180P4ERP	TT180PT4ERP	C	67
210	1493	550	TI210P4ERP	TI210PT4ERP	TI210PT3ERP	TT210P4ERP	TT210PT4ERP	C	75
250	1744	550	TI250P4ERP	TI250PT4ERP	TI250PT0ERP	TT250P4ERP	TT250PT4ERP	C	84
300	2057	550	TI300P4ERP	TI300PT4ERP	TI300PT0ERP	TT300P4ERP	TT300PT4ERP	C	93

* Factory fitted to a cylinder. Note: Do not use immersion heaters as the primary heat source on indirect or solar indirect cylinders. All dimensions ± 3 mm unless stated otherwise.

† Single Zone cylinders come with 2x two port valves, one for DHW & one for space heating. Twin Zone cylinders come with 3x two port valves, one for DHW & two for space heating.

Albion Ultrasteel

Our widest selection of unvented cylinders, ideal for retrofit installations



Find out more...



Product info

Albion Ultrasteel

All cylinders supplied with:

Introduction

Albion Ultrasteel cylinders are ideally suited for retrofit applications and feature a separate external expansion vessel.

A comprehensive choice of models includes slimline and horizontal options for small cupboards and loft installations respectively.



Inlet control set with balanced cold
(3 bar PRV, 6 bar expansion relief)



Anti-splash tundish
22mm x 15mm



Temperature & pressure relief valve*
1/2" NPT x 15mm
(7 bar / 90°C)



Potable water expansion vessel

Key features:

- 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
- Low reheat times for fast availability of hot water
- Oxygen purge welded duplex stainless steel inner vessel for superior corrosion resistance†
- Advanced coil-in-coil heat exchanger design for optimum heat transfer
- Guaranteed‡ for 25 years on duplex inner vessel against manufacturing defects and two years on parts

Direct cylinders



Connections

- | | |
|---|--|
| A 22mm Cold feed (1" BSP Female on 400L & 500L models) | D1 22mm Boiler coil connections |
| B 22mm Hot water outlet (1" BSP Female on 400L & 500L models) | D2 22mm Solar coil connections |
| C Immersion heater* | E Temperature & pressure relief valve* |
| | F 22mm Secondary return (for cylinders with a capacity of 210L and above only) |
| | G Dry stat pocket |

Direct cylinders come with:
1x Standard immersion heater
1x Smart immersion heater

Indirect cylinders come with:
1x Standard immersion heater
(250L to 500L cylinders come with 2x standard immersion heaters)

Solar Indirect cylinders come with:
1x Standard immersion heater

* Factory fitted to a cylinder.

‡ All guarantees subject to Terms and Conditions including an annual servicing requirement.

† In comparison with non oxygen purged welding processes.



Selected models supplied with:



Immersion
heater/heaters*

Indirect and
Solar indirect



Two port
valve

Indirect and
Solar indirect



Dual
thermostat

Solar indirect



High limit
thermostat

Indirect
horizontal

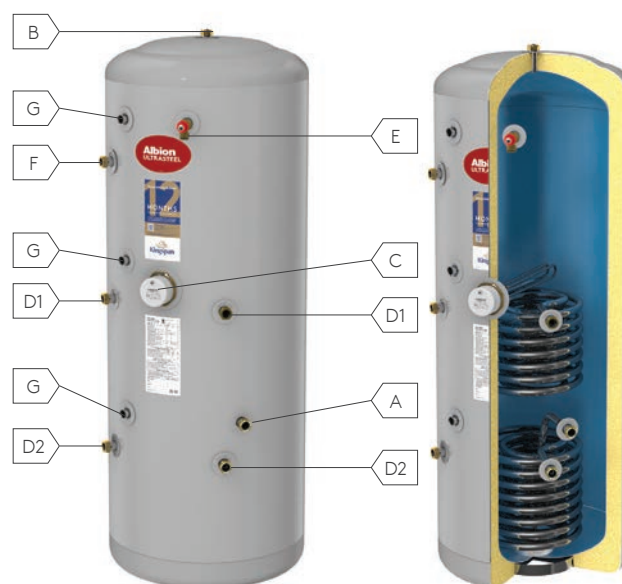



Cradles

Indirect cylinders



Solar indirect cylinders



Form Ffactor				ErP (Cylinders with coil)				ErP (Electrically heated cylinders)						
	Nominal capacity (Litres)	Height (mm)	Dia. (mm)	Indirect codes	Solar indirect codes	Rating	Standing loss (W)	Direct codes	Rating	Load profile	Noise level (dB)	Efficiency (%)	AEC kWh/year	
Standard vertical	120	930	550	AUI120ERP	-	C	54	AUD120ERP	B	M	15	39.9	1222	
	150	1117	550	AUI150ERP	-	C	59	AUD150ERP	C	L	15	39.0	2628	
	180	1305	550	AUI180ERP	AUSI180ERP	C	67	AUD180ERP	C	L	15	41.0	2425	
	210	1493	550	AUI210ERP	AUSI210ERP	C	75	AUD210ERP	C	L	15	38.3	2672	
	250	1744	550	AUI250ERP	AUSI250ERP	C	84	AUD250ERP	C	L	15	38.4	2669	
	300	2057	550	AUI300ERP	AUSI300ERP	C	93	AUD300ERP	C	L	15	40.9	2504	
	400	1653	693	AUI400ERP	AUSI400ERP	C	102	-	-	-	-	-	-	
	500	1943	693	AUI500ERP	AUSI500ERP	C	110	-	-	-	-	-	-	
Slimline vertical	90	1089	475	AUI90SLMERP	-	C	58	AUD90SLMERP	B	M	15	58.9	872	
	120	1276	475	AUI120SLMERP	-	C	56	AUD120SLMERP	C	L	15	39.5	2589	
	150	1465	475	AUI150SLMERP	-	C	66	AUD150SLMERP	C	L	15	38.1	2689	
	180	1714	475	AUI180SLMERP	-	C	72	AUD180SLMERP	C	L	15	39.2	2640	
	210	2027	475	AUI210SLMERP	-	C	87	AUD210SLMERP	C	L	15	39.4	2597	
Horizontal	Cap.	Height	Length	Dia.										
	180	680	1258	550	AUIH180ERP	-	C	67						
	210	680	1446	550	AUIH210ERP	-	C	75						
	250	680	1696	550	AUIH250ERP	-	C	84						
	300	680	2009	550	AUIH300ERP	-	C	93						

All dimensions ± 3 mm unless stated otherwise.

Note: Do not use immersion heaters as the primary heat source on indirect or solar indirect cylinders.

Product info

Albion Ultrasteel+

All cylinders supplied with:

Introduction

Albion Ultrasteel+ cylinders utilise the same internal expansion technology as our premium Range Tribune Xe cylinders, but without the extra insulation, making them ideal for situations where space is limited and a smaller diameter cylinder is required.

The internal expansion technology provides up to 10%[†] more usable hot water and can free up wall space above the cylinder for shelving.



Inlet control set with balanced cold
(3 bar PRV, 8 bar expansion relief)



Anti-splash tundish
22mm x 15mm



Temperature & pressure relief valve*
¾" BSP union nut x 15mm
(10 bar / 90°C)



Integrated dual thermostat
(Immersion)

Key features:

- Internal thermal expansion for faster installation and more usable space in airing cupboard
- 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
- Low reheat times for fast availability of hot water
- Oxygen purge welded duplex stainless steel inner vessel for superior corrosion resistance[‡]
- Advanced coil-in-coil heat exchanger design for optimum heat transfer
- Guaranteed[#] for 25 years on duplex inner vessel against manufacturing defects and two years on parts

Direct cylinders



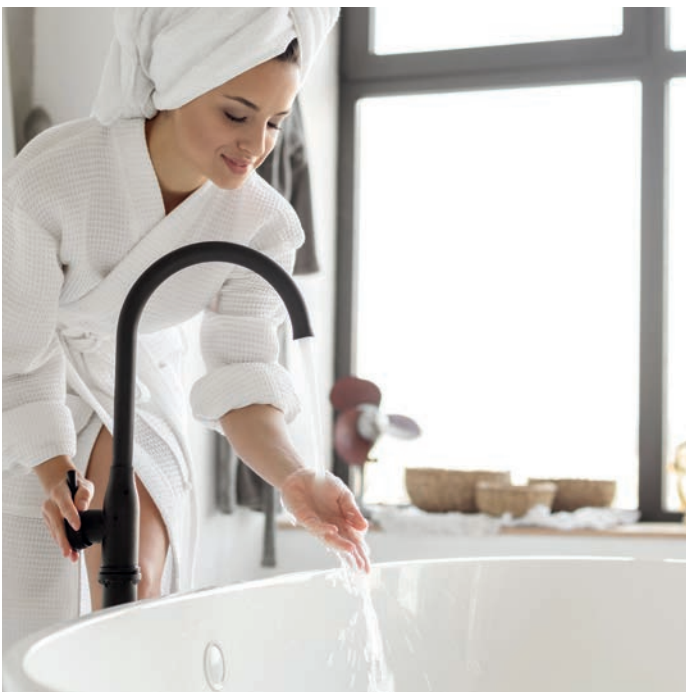
Connections

- A 22mm Cold feed
- B 22mm Hot water outlet
- C 3kW Titanium Immersion heater with dual thermostat*
- D1 22mm Boiler coil connections
(Thermostat for boiler coil located under the immersion heater cover)
- D2 22mm Solar coil connections
- E Temperature & pressure relief valve*
- F 22mm Secondary return
(for cylinders with a capacity of 210L and above only)
- G1 Stat pocket for high limit thermostat
- G2 Stat pocket for solar thermostat

* Factory fitted to a cylinder.

[#] All guarantees subject to Terms and Conditions including an annual servicing requirement.

[‡] In comparison with non oxygen purged welding processes.





Integrated titanium immersion heater*
3kW - 14"

Selected models supplied with:

Indirect and Solar indirect

Indirect and Solar indirect

Solar indirect

Integrated dual thermostat (Boiler)

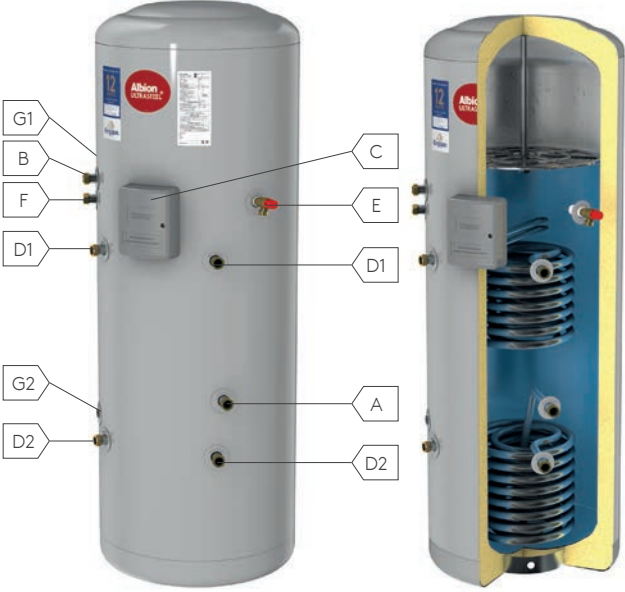
Two port valves 22mm

High limit thermostat

Indirect cylinders



Solar indirect cylinders



Nominal capacity (Litres)	Height (mm)	Dia. (mm)	ErP (Cylinders with coil)				ErP (Electrically heated cylinders)					
			Indirect codes	Solar indirect codes	Rating	Standing loss (W)	Direct codes	Rating	Load profile	Noise level (dB)	Efficiency (%)	AEC kWh/year
120	997	550	AUXN120ERP	-	B	51	AUXD120ERP	C	M	15	36.8	1394
150	1183	550	AUXN150ERP	-	B	55	AUXD150ERP	B	M	15	39.2	1310
180	1367	550	AUXN180ERP	AUXSN180ERP	C	67	AUXD180ERP	C	L	15	40.0	2468
210	1557	550	AUXN210ERP	AUXSN210ERP	C	78	AUXD210ERP	C	L	15	37.8	2706
250	1802	550	AUXN250ERP	AUXSN250ERP	C	89	AUXD250ERP	C	L	15	39.5	2594
300	2072	550	AUXN300ERP	AUXSN300ERP	C	93	AUXD300ERP	C	L	15	39.0	2622

All dimensions ±3mm unless stated otherwise.
Note: Do not use immersion heaters as the primary heat source on indirect or solar indirect cylinders.
† Increase in hot water output of a 210L cylinder using the V40 testing in accordance with BS EN 12897:2016

Albion Ultrasteel+

Direct cylinder with utility stand

Introduction

An ideal space-saving solution for apartments and smaller homes, this package includes an Albion Ultrasteel+ direct cylinder with a utility stand. Raising the cylinder off the floor with this robust and strong utility stand frees up valuable floor space in the airing cupboard for any standard appliance, such as a washing machine, a clothes dryer or a freezer. This, in turn, creates more space in the kitchen for an additional appliance or extra storage.

Key features:

- Free up valuable kitchen space with this space saving solution
- Available with the following cylinders:
Albion Ultrasteel+ Directs -
120L, 150L, 180L or 210L capacities
- Fits UK standard kitchen appliances:
850mm x 600mm x 600mm (HxWxD)
- Prefabricated frame constructed using 30mm² box section mild steel for maximum strength
- White powder-coated surface for corrosion protection and aesthetically pleasing finish
- Improved stability with four adjustable feet for levelling



Cylinders supplied with:



Inlet control set with balanced cold (3 bar PRV, 8 bar expansion relief)



Anti-splash tundish
22mm x 15mm



Temperature & pressure relief valve* (10 bar /90°C)
3/8" BSP union nut x 15mm



Integrated titanium immersion heaters*
3kW - 14"



Integrated dual thermostat (Immersion)

Capacity (Litres)	Height (mm)	Width (mm)	Depth (mm)	Code:	Rating	ErP				
						Standing loss, (W)	Load profile	Noise level (dB)	Efficiency (%)	kWh/year
120	1887	672	672	AUXD120WMERP	C	51	M	15	36.8	1394
150	2073	672	672	AUXD150WMERP	B	55	M	15	39.2	1310
180	2257	672	672	AUXD180WMERP	C	67	L	15	40.0	2468
210	2447	672	672	AUXD210WMERP	C	78	L	15	37.8	2706

* Factory fitted to a cylinder.

Albion Aerocyl

Specialist heat pump cylinders compatible
with all leading manufacturers' heat pumps



Find out more...



Product info

Albion Aerocyl

All cylinders supplied with†:

Introduction

Albion Aerocyl heat pump cylinders use a heat pump as a renewable energy source; heat pump and solar cylinders use a heat pump to complement the solar thermal system.

Buffer tanks increase the volume of water in the heating system, protect the heat pump and compressor and maximise efficiency.



Inlet control set with balanced cold
(3 bar PRV, 6 bar expansion relief)



Anti-splash tundish
22mm x 15mm



Temperature & pressure relief valve*
1/2" NPT x 15mm
(7 bar / 90°C)



Potable water expansion vessel

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 two 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 22mm 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 1/4" 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).

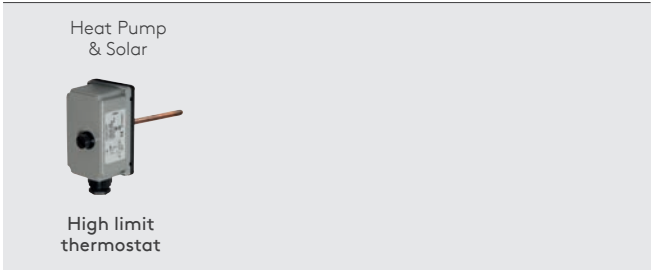
**Subject to delivering the required heat load to the coil through required flow rates and pipe sizing.

† In comparison with non oxygen purged welding processes.

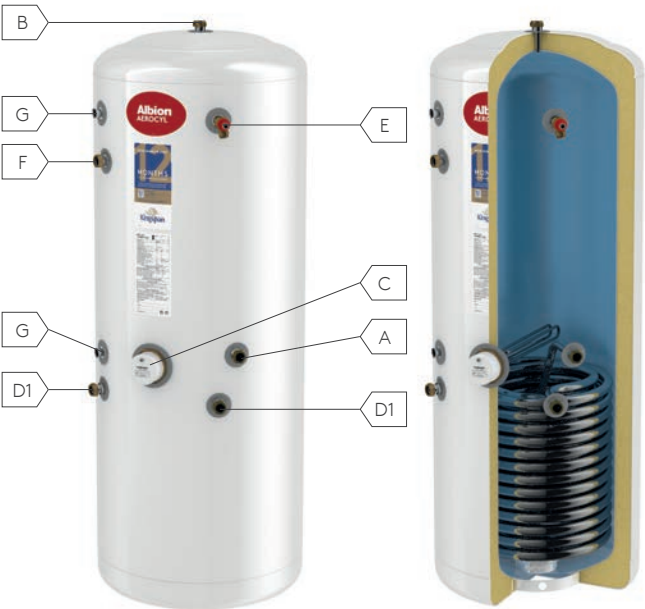




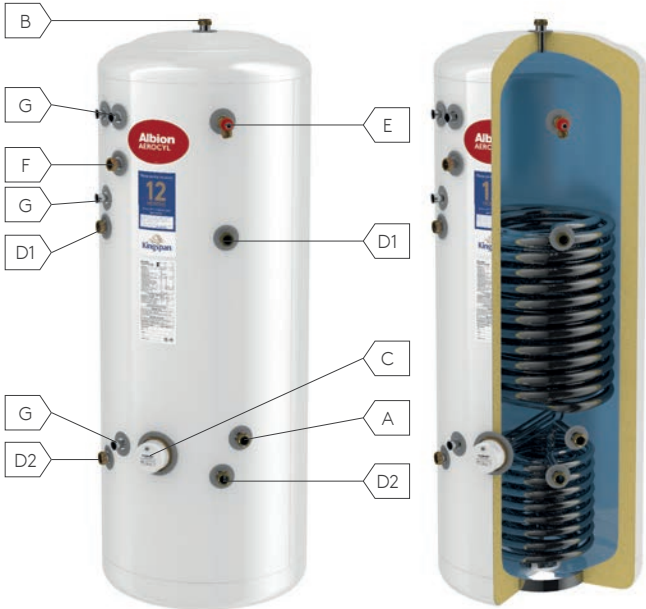
Selected models supplied with:



Indirect heat pump cylinders



Indirect heat pump & solar cylinders



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: Refer to cylinder models only.
All dimensions ±3mm unless stated otherwise.

Albion Aerocyl

Heat pump cylinder with integral buffer tank

Key features:

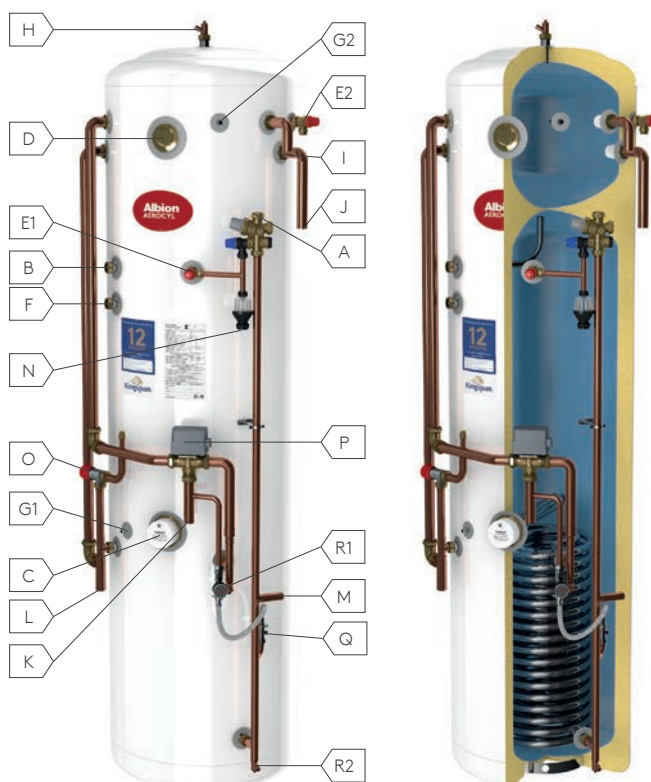
- Space saving solution with half the footprint of a standard installation
- 28mm coil heat exchanger for maximum heat transfer rated up to 32kW*
- Mains pressure hot water (regulated up to 3 bar) for powerful showers
- Good flow rates for fast filling of baths, ideal for multiple bathrooms
- Well insulated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

Connections

- A Inlet control set cold feed - 22mm Compression
 B Hot water draw-off - 22mm Compression (¾" Male BSP without nuts)
 C 3kW Immersion heater
 D Inspection hatch 1½" Female boss and blanking plate
 E1 Temperature & pressure relief valve - Cylinder
 E2 Temperature & pressure relief valve - Buffer Tank
 F 22mm Secondary return
 G1 10mm Dry stat pocket - Cylinder
 G2 10mm Dry stat pocket - Buffer Tank
 H Air Vent
 I 28mm Flow to heating system
 J 28mm Return from heating system
 K 28mm Flow from heat pump
 L 28mm Return to heap pump
 M 22mm Tee to potable expansion vessel
 N Anti-splash tundish 22mm discharge connection
 O Balancing bypass valve
 P 28mm Three port valve
 Q Filling loop
 R1 Drain Cock - Cylinder
 R2 Drain Cock - Heating system incl. buffer

Configuration

- 1 Cylinder with integral buffer, without any pre-plumbed pipework
- 2 Cylinder with integral buffer, with pre-plumbed pipework, excluding components in buffer kit and heat pump kit
- 3 Cylinder with integral buffer, with pre-plumbed pipework, including components from the buffer kit and heat pump kit - single heating zone
- 4 Cylinder with integral buffer, with pre-plumbed pipework, including components from the buffer kit and heat pump kit - twin heating zone



Config.	Nominal capacity (L)		Height (mm)	Dia. (mm)	Codes	ErP	
	Cylinder	Buffer				Rating	Standing loss (W)
1	180	50	1711	550	HPIB180/50ERP	C	64
	210	50	1899	550	HPIB210/50ERP	C	75
	240	50	2103	550	HPIB240/50ERP	C	80
2	180	50	1711	550	HPIB180/50P0ERP	C	64
	210	50	1899	550	HPIB210/50P0ERP	C	75
	240	50	2103	550	HPIB240/50P0ERP	C	80
3	180	50	1711	550	HPIB180/50PERP	C	64
	210	50	1899	550	HPIB210/50PERP	C	75
	240	50	2103	550	HPIB240/50PERP	C	80
4	180	50	1711	550	HPIB180/50PTERP	C	64
	210	50	1899	550	HPIB210/50PTERP	C	75
	240	50	2103	550	HPIB240/50PTERP	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.

All guarantees subject to Terms and Conditions including an annual servicing requirement.

Albion Vented

Open vented cylinders for traditional heating systems



Find out more...



Product info

Albion Vented - copper cylinders



Key features:

- The fast, cheap, minimum-hassle replacement option for an existing copper vented cylinder at the end of its working life
- Well insulated using the latest HFO foam for minimum environmental impact
- Store domestic hot water to satisfy your peak demand
- Cylinders manufactured to BS 1566:2002+A1:2011 and combi tanks to BS 3198:1981
- Part L1B Compliant
- Available in a wide range of capacities and sizes with direct, indirect and solar options to choose from
- Combi tanks feature a built-in cold water tank for installations where no loft space is available to locate the cold cistern
- Two-year guarantee against manufacturing defects

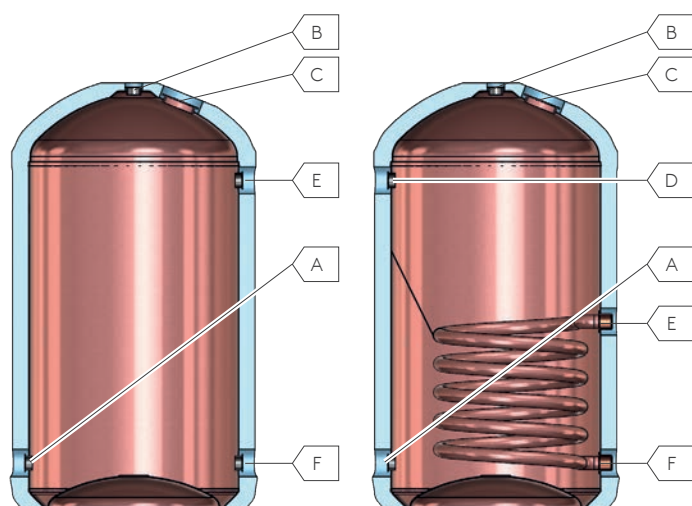
Connections

- A Cold feed
 - B Hot water outlet / open vent*
 - C 2¼" Immersion heater boss
 - D Secondary return / dedicated shower connection (if fitted)
- Direct models installed with an old back boiler
- E Flow from heat source
 - F Return to heat source

* Combi tanks feature separate open vent pipe.

More sizes and types available via our bespoke Kwikcyl service. Contact us on 0345 260 0258 to enquire.

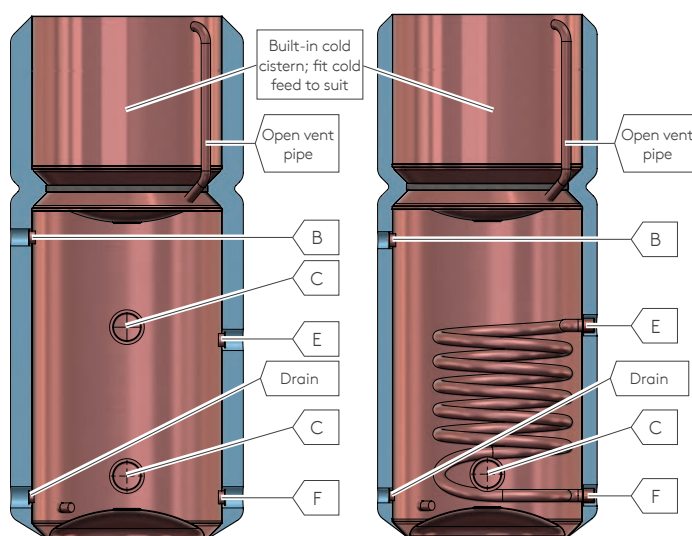
Standard cylinders



Direct

Indirect (Hercal)

Combi tanks (Fortic)



Direct

Indirect

Form factor	Height (mm)	Diameter (mm)	Nominal capacity Hot (Litres)	Grade	Insulation thickness (mm)	Code		Rating	Standing loss, (W)
						Direct	Indirect		
Standard cylinders	1500	300	95	3	35	KD1500300G3	KN1500300G3	C	57
	900	400	96	3	35	KD900400G3	KN900400G3	C	60
	1050	400	114	3	35	KD1050400G3	KN1050400G3	C	63
	900	450	117	3	35	KD900450G3	KN900450G3	C	66
	1050	450	140	3	35	KD1050450G3	KN1050450G3	C	73
	1200	450	162	3	35	KD1200450G3	KN1200450G3	C	73
	1500	450	206	3	35	KD1500450G3	KN1500450G3	C	83
Combi tanks (Fortic)	900	400	65	n/a	35	KD900400G3C	KN900400G3C	C	51
	1075	400	89	n/a	35	KD1075400G3C	KN1075400G3C	C	66
	1200	400	90	n/a	35	KD1200400G3C	KN1200400G3C	C	57
	900	450	85	n/a	35	KD900450G3C	KN900450G3C	C	61
	1075	450	115	n/a	35	KD1075450G3C	KN1075450G3C	C	63
	1200	450	115	n/a	35	KD1200450G3C	KN1200450G3C	C	63
	1400	450	144	n/a	35	KD1400450G3C	KN1400450G3C	C	70

Ferham Tanks

Feed and expansion tanks and cold water storage for vented systems



Find out more...



Product info

Cold water cisterns

Key features:

- Roto-moulded from approved hygienic polypropylene plastic
- Robust cistern design for maximum durability
- Available in capacities from 4 to 100 gallons (18 to 455 litres)
- Selected models Kitemarked to BS 4213:2004 (Open Top Oval cisterns only)
- Manufactured from WRAS approved materials*
- One-year guarantee against manufacturing defects

Kits**

To make it easier for the installer and help ensure installation complies with the water regulations, our popular cisterns are supplied with kits including:



- Close fitting lid
- Insulation jacket (60mm) & ties
- Byelaw 30 fittings & backplate†

Open top (stackable)

Popular with installers, open top cisterns can be easier to fit through tight loft hatches. The open top gives full access for fitting all components, making the tank substantially quicker to fit.



Capacity gallons litres		Height (mm)	Width (mm)	Depth (mm)	Cistern code	Kit code
Rectangular - for expansion overflow						
4	18	320	480	250	FC4G	BK4G†
Oval - Kitemarked to BS 4213:2004						
15	68	380	860	508	FC15G	Sold with kit
25	114	515	860	508	FC25G	
40	182	440	1265	670	FC40G	
50	227	525	1265	670	FC50G	
Circular						
25	114	584	660	660	FC25GC	BK25GC
50	227	685	840	840	FC50GC	BK50GC

Low level (coffin)

Specifically designed with a low profile to make them suitable for installing in locations with limited headroom, such as lofts. They are fully enclosed to provide maximum protection from contamination.



Capacity gallons	litres	Height (mm)	Width (mm)	Depth (mm)	Cistern code	Kit code
25	114	395	1120	490	FC25GL	Sold with kit
40	182	495	1562	457	FC40GL	
50	227	490	1420	530	FC50GL	
100	455	590	1790	644	FC100GL	

* Except for the 4-gallon/18-litre open top rectangular cistern (FC4G).

** Oval Kitemarked cisterns and Low Level (Coffin) cisterns only. † BK4G does not include Byelaw 30 fittings (lid, insulation jacket & backplate only).

Contact Details

UK

Kingspan Water & Energy Ltd.

48 Thornes Lane | Wakefield

West Yorkshire | WF1 5RR

T: (GB) +44 (0) 345 260 0258

T: (NI) +44 (0) 28 3836 4520

E: hotwater@kingspan.com

kingspancylinders.com



KingspanWaterandEnergy



@KingspanWatEner



YouTube

KingspanWaterEnergy



We take every care to ensure that the information in this document is accurate at the point of publication. Specification may vary (within a small parameter) due to manufacturing process variations or environmental conditions. All images are for illustration purposes only and should not be taken as binding. The actual product may vary, and specification/ dimensions/ colour/ other attributes may differ.

To ensure you are viewing the most recent and accurate product information, please scan the QR code above or visit this link: <https://www.kingspan.com/content/dam/kingspan/kwe/products/miscellaneous-hot-water-cylinders/kingspan-cylinders-city-plumbing-product-guide-en-gb.pdf>

©Kingspan, the Lion Device, Range Tribune, Albion, Albion UltraSteel, Albion Aerocyl and Ferham are Registered Trademarks of the Kingspan Group plc in the UK, Ireland and other countries. All rights reserved. Registered in Country No.NI017631. Registered Office: 180 Gilford Road, Portadown, Co. Armagh, BT63 5LF. VAT GB412 5124 03

©Mixergy brand and technology is owned by Mixergy Ltd, Company Reg. 09137387, licensed to Kingspan for use with the Range Tribune MXi. Please note, any Mixergy claims outside of this document or the kingspan.com website may not be applicable to the Range Tribune MXi products.

