

WVH

CYLINDERS



EXPERTS IN ADVANCED WATER STORAGE SYSTEMS



I would like to introduce you to WH Cylinders, a division of World Heat & Power. Our Family have been at the forefront of hot water storage vessels for many years gaining experience at IMI Range, Albion Cylinders, Manchester Calorifiers, Manco Cylinders and latterly Kingspan Renewables, I suppose you could say hot water and cylinders are in our blood.

It was with great sadness to see so many hot water cylinder companies close in the Northwest losing skills that have been passed down through many generations. With this in mind I set out to establish a cylinder manufacturing division to retain these skills which are so important to the heating and building industries. Skills which have been passed down through generations of shop floor and office manufacturing and design engineers. Skills which if lost from the UK will result in our industry becoming more reliant on imported products.

We now have hundreds of years of combined experience in our brand new manufacturing facility. This is enabling us to produce high quality products ranging from standard vented domestic cylinders through to high pressure unvented cylinders up to 10,000 litres in capacity. Bringing together all of this knowledge and experience has given us the opportunity produce specialist bespoke products such as shell and tube heat exchangers, plate heat exchanger and factory wired and plumbed packages.

We have a dedicated technical sales team available for the independent merchant trade, builders and design engineers alike. They provide quality advice on our domestic and industrial products, cylinder sizing and even the installation of the systems if required.

We are also at the forefront when it comes to renewable energy systems such as solar thermal and heat pumps. We have a dedicated MCS accredited team of design and site engineers available to give advice, assist in designs or attend site to commission, service or fault find on systems where necessary.

I hope you find our products and services to be of the high quality which is now synonymous with the World Heat & Power and WH Cylinders brands.

Yours Sincerely

Mark Sidebottom, Managing Director

VENTED CYLINDER

Vented cylinders are the conventional way of storing hot water in domestic dwellings.

They are available in different grades - 1, 2, and 3. The grade determines the thickness of material required to make the cylinder and thus the amount of pressure the cylinder can withstand.

They are usually sized on a 'working head' in meters, which means the height difference between the cylinder and the header tank, usually in the loft. All of these cylinders have conventionally been manufactured using copper material but stainless steel can be used to suite higher pressures and hard water areas.

- Grade 1 - up to 25 metres of head
- Grade 2 - up to 15 metres of head
- Grade 3 - up to 10 metres of head (of which are generally selected for normal domestic properties)



HEIGHT		DIAMETER					
		12"	14"	15"	16"	18"	20"
Inches	mm	300mm	350mm	375mm	400mm	450mm	500mm
24	600	32	-	-	-	-	-
27	675	37	55	64	69	86	-
30	750	46	64	69	78	98	-
33	825	51	69	78	86	109	-
36	900	55	74	86	98	120	151
39	975	60	83	98	106	133	166
42	1050	64	92	103	116	144	179
44	1125	69	98	109	124	156	193
48	1200	74	103	120	133	166	200
54	1350	83	116	133	151	193	235
56	1425	92	124	143	161	207	248
59	1500	95	133	152	166	210	255
62	1575	98	138	156	179	230	281
65	1650	106	144	166	189	239	294
68	1725	109	151	175	198	253	308
71	1800	116	161	184	207	267	322
76	1900	126	169	193	218	275	338

All cylinders can be supplied direct without a heating coil; heated solely by an electrical immersion element. They can also be supplied with a coil which is connected to an external heat source, such as a gas or oil boiler or a heat pump. Twin coil versions are available if required for secondary heat sources such as solar thermal integration.

SUPERFLOW UNVENTED CYLINDER

WH Cylinders manufacture a wide range of unvented cylinders which provide powerful mains pressure hot water and high flow rates, ideal for power showers and end users with large hot water requirements.



- Maximum working pressure 6 bar
- All cylinder connections are 22mm compression
- Units tested to 15 bar
- Minimum water supply 1.5 bar, 20 litres/min
- Primary coil circuit must be pumped
- Gravity coils available by special order
- Bespoke vessel available on request
- 25 Year vessel guaranteed
- Cylinder components guaranteed for 2 years
- Available in a range of styles sizes 50 to 10,000 litres
- High recovery rates
- External expansion for reliability and flexible siting
- A range of horizontal cased units available

BUFFER VESSEL

Buffer vessels are cylinders which are designed to receive and store chilled or heating water that can be used in accordance with the building's cooling, heating or hot water requirements.

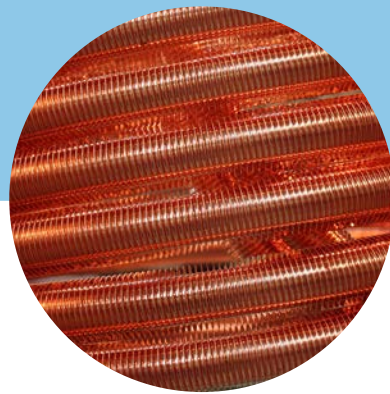
WH Cylinders manufacture high quality buffer vessels from copper, mild steel, stainless steel and galvanised mild steel materials.



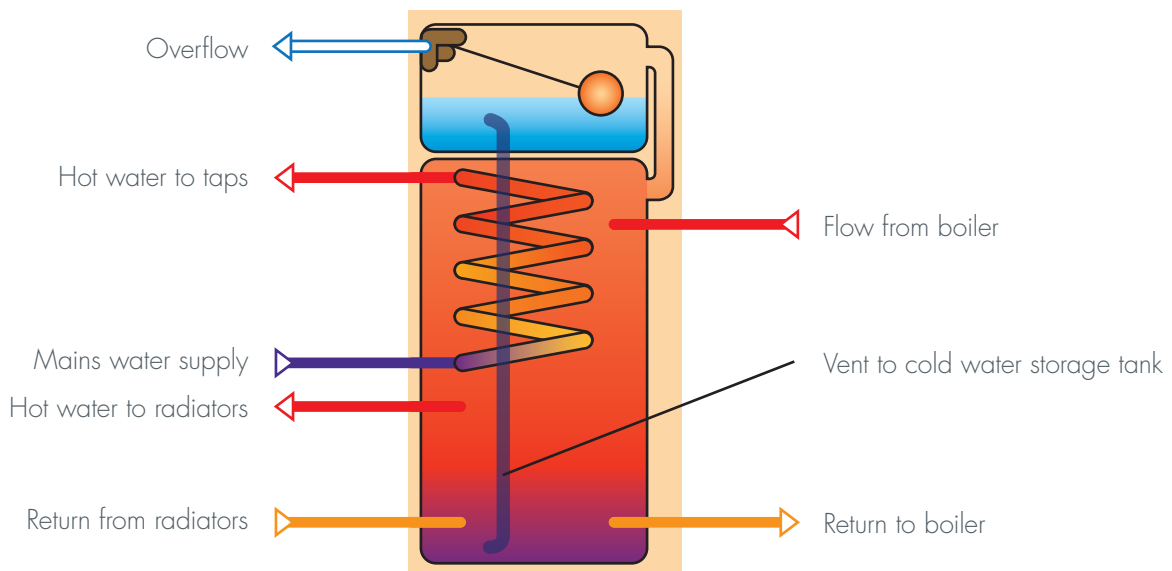
WH CYLINDERS ECOTHERM

This is a thermal store unit designed to supply mains pressure hot water with high flow rates to all outlets, whilst also providing excellent response to your heating demands.

As with all WH products, we can manufacture to meet your specification requirements. Please contact our technical team for more information.



WH Cylinders use high efficient integron coils to give you the benefits off higher heating surface areas for both extraction and heat input. If you require specific recovery time please contact our design team who will be more than happy to help.



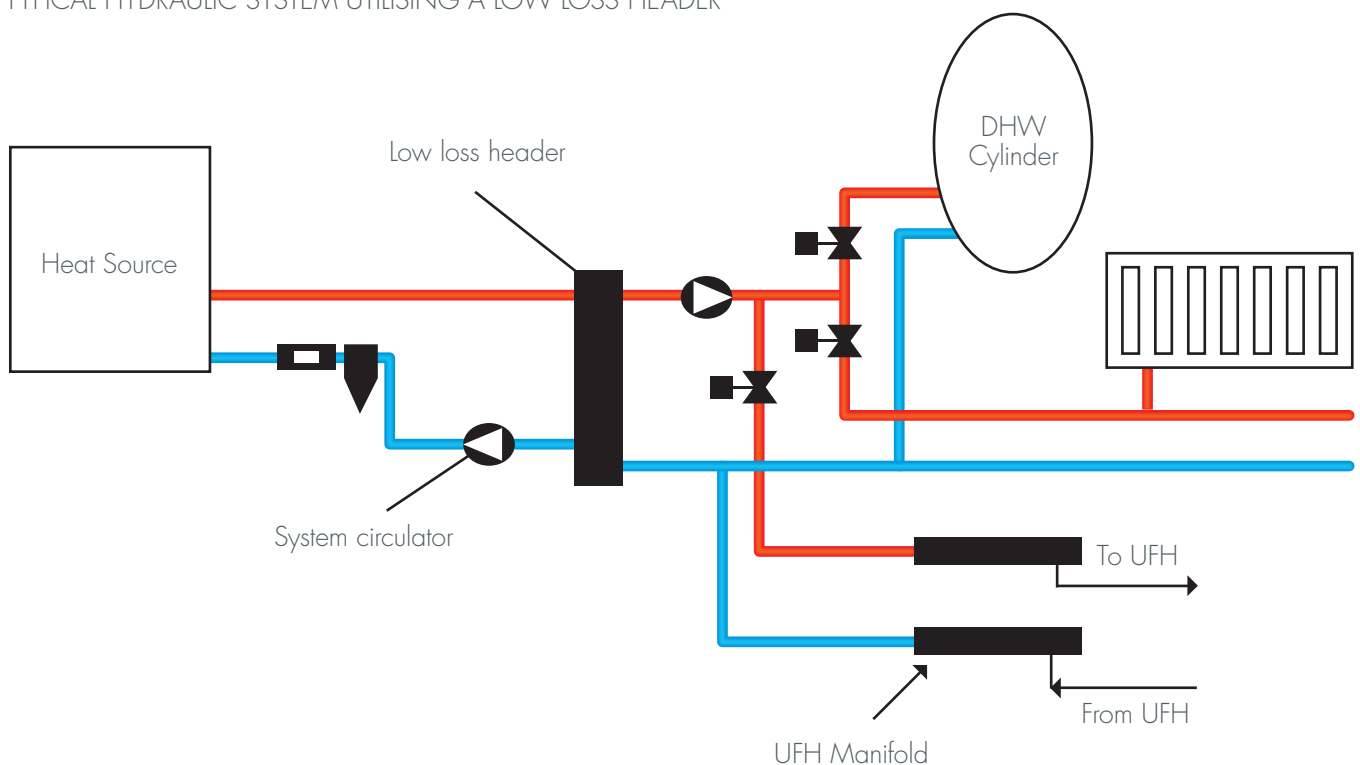
LOW LOSS HEADERS

This boiler or heat pump functions at their optimum efficiency when the water flow and velocity through the heat exchanger is maintained within the specific design conditions. Fitting a low loss header in your hydraulic circuit allows the optimum water flow and velocity to be constantly maintained through the heat exchanger in your primary heat source. This enables the boiler or heat pump to constantly functions at their optimum efficiency.

WH Cylinders offer a standard range of Low Loss Headers, manufactured in either high grade mild steel or copper. We can also design and manufacture to your specified dimensions or to suit the capacity of your system.



TYPICAL HYDRAULIC SYSTEM UTILISING A LOW LOSS HEADER



PACKAGED CYLINDERS

WH Cylinders offer a wide variety of packaged cylinders designed to suit specific projects.

These cylinders are proven to:

- Significantly reduce installation time
- Reduce overall project costs
- Increase the quality and integrity of the installation
- Eliminate costly call-backs

All of our cylinders are manufactured and tested in a controlled environment, significantly reducing the chance of plumbing and wiring faults on site. All of our products are also CE certified to comply with European safety standards.



WH Cylinders works closely with various manufacturers to create OEM products that are designed specifically to their product and customers' requirements.

If you have a specific requirement for a packaged cylinder, please contact our design department who will discuss your project in greater detail.

RAPIDCYL

WH Cylinder have developed the Rapidcyl Range. Place an order for a special cylinder before 1.30pm and we will manufacture the cylinder and deliver the next working day*.

To process your order, simply fill out the Rapidcyl order form with your requirements and fax or email it back to us before 1.30pm.

*Subject to stock levels of components



RAPIDCYL

ORDER

QUOTE

COMPANY

NAME

ADDRESS

TELEPHONE

EMAIL

ORDER NUMBER

HEIGHT

DIAMETER

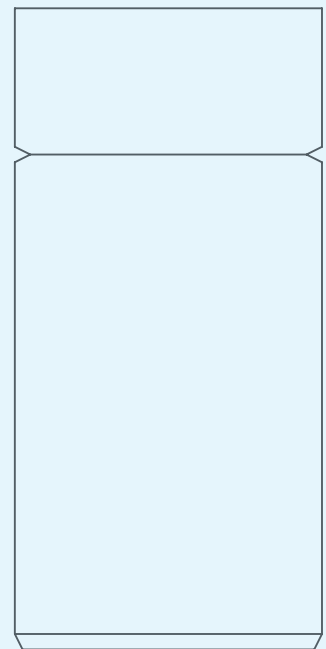
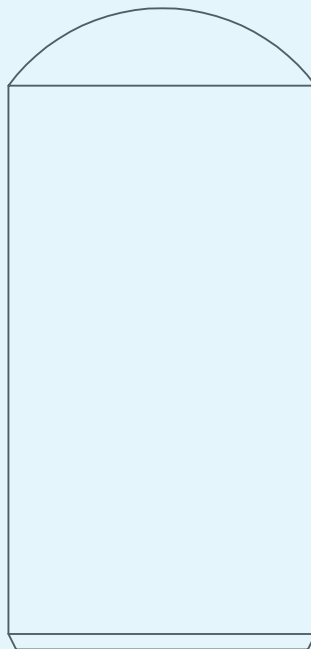
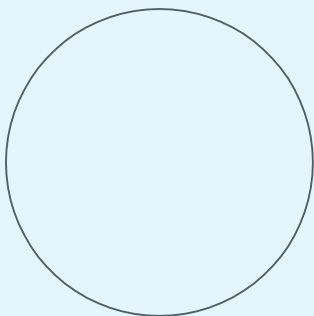
CAPACITY

- CYLINDER
- COMBINATION
- THERMAL STORE
- HORIZONTAL

- INDIRECT
- DIRECT
- SINGLE FEED
- ECONOMY 7

- GRADE 1
- GRADE 2
- GRADE 3

PLEASE SKETCH BOSS POSITIONS BELOW



call 0845 519 2116
fax 0161 343 5585

email sales@whcylinders.co.uk
web www.whcylinders.co.uk

SPARE PARTS

At WH Cylinders, we understand the importance of after-sales support for both the trade and end users. This is why we are dedicated to supplying the spare parts you require quickly and efficiently.

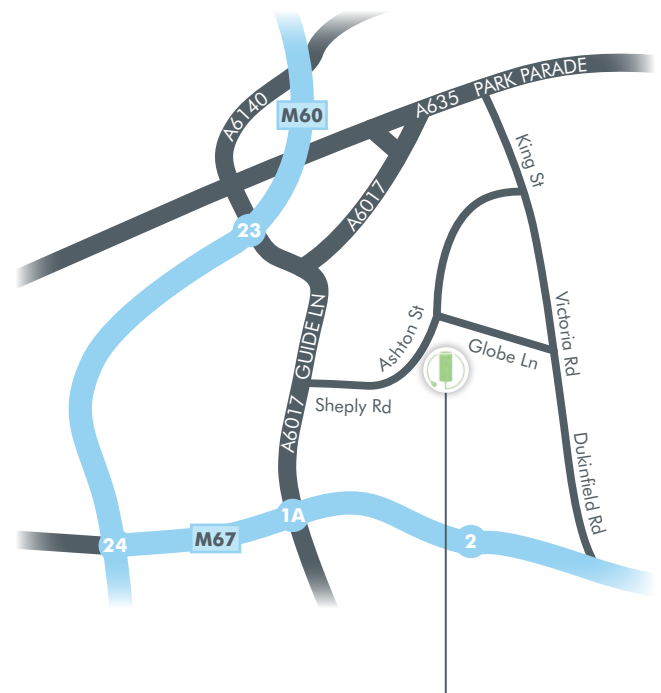
WH Cylinders incorporate only the best quality and standard of components in our products. Hence we highly recommend the use of WH Cylinders official parts to ensure our high quality is always maintained.





At WH Cylinders we pride ourselves in the design and manufacturing of cylinders and calorifiers. Our technical engineers are also highly experienced in mechanical, electrical system design, installation, and fault finding.

Our technical engineers are available to assist our customers with enquiries of any kind. Please contact us by telephone or by visiting our main offices and we will be happy to discuss any matters with you.



WE ARE HERE

call 0845 519 2116

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