

## Product Information

### WH Cylinders

### Buffer Vessel Cylinders 50L to 500L



**WORLD HEAT**  
CYLINDERS



**High quality British  
Manufactured super insulated  
steel buffer vessels designed for  
any application.**

**WH Cylinders manufacture a range of high  
quality Mild Steel Buffer Vessels for any  
application.**

All of our vessels are manufactured from high  
quality mild steel, under an ISO9001 certified  
quality management system in our purpose  
built manufacturing facility in Manchester.

#### Key Features

- High quality mild steel
- Highly efficient injection foam insulation
- Easy lifting and positioning features
- ISO9001 certified quality management
- Bespoke fast turnaround vessels available
- Primary expansion vessels available

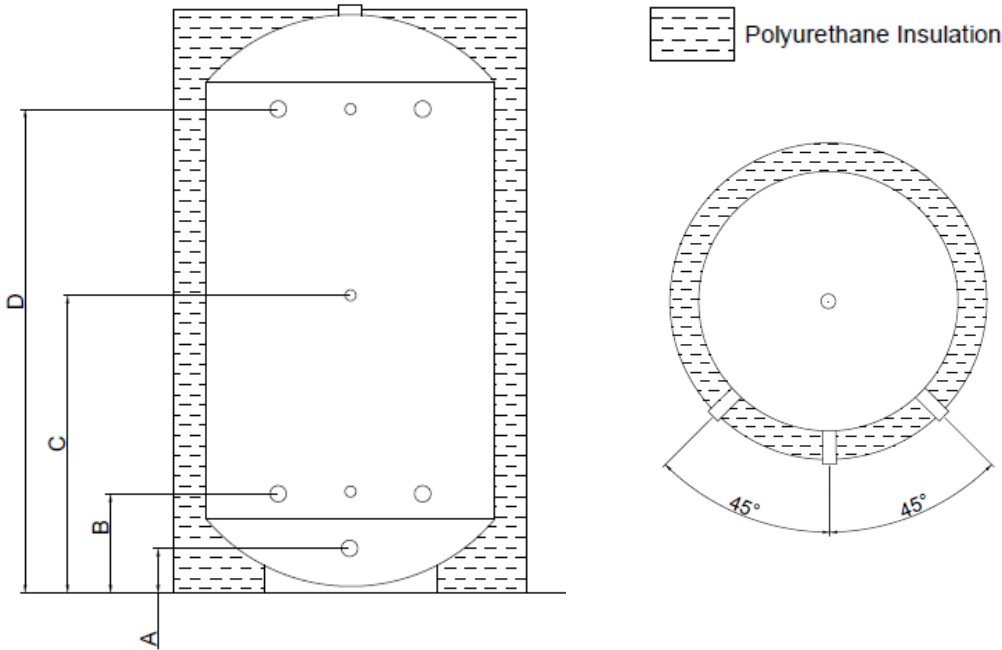


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# Dimensional Drawing WH Cylinders

## Buffer Vessel Cylinders 50L to 500L



Product Code	Capacity (L)	Cylinder Height OVER-ALL (mm)	Cylinder Diameter OVER-ALL (mm)	Connection A (Drain)		Connection B		Connection C		Connection D	
				Size (Compression)	Height (mm)	Size (Compression)	Height (mm)	Dry Stat Pocket	Height (mm)	Size (Compression)	Height (mm)
50MSBUFF	50	495	550	28mm	130	28mm	195	"	125	28mm	325
100MSBUFF	100	800	550	28mm	130	28mm	195	"	277	28mm	555
150MSBUFF	150	1200	550	28mm	130	28mm	195	"	575	28mm	995
180MSBUFF	180	1400	550	28mm	130	28mm	195	"	675	28mm	1155
210MSBUFF	210	1550	550	28mm	130	28mm	195	"	750	28mm	1305
250MSBUFF	250	1750	550	28mm	130	28mm	195	"	850	28mm	1505
300MSBUFF	300	2100	550	28mm	130	28mm	195	"	1025	28mm	1855
400MSBUFF	400	1700	700	28mm	130	28mm	195	"	825	28mm	1415
500MSBUFF	500	1900	700	28mm	130	28mm	195	"	950	28mm	1680

Nominal capacity (Litres)		50	100	150	180	210	250	300	400	500
Approximate Weight (KG)	Empty	30	35	40	45	50	55	60	65	70
	Full	80	165	190	225	260	305	360	465	570
	Packaged	55	60	65	70	75	80	85	90	95
Vessel Material		Mild Steel								
Insulation Type		Polyurethane (PU) Insulation with CO2 Blowing Agent								
Standing heat loss (Watts)		48.6	54.6	60.2	64.3	75.2	86.4	94.2	108	128
GWP of Insulation		0	0	0	0	0	0	0	0	0
ODP of Insulation		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
ERP Fiche Volume		52	104	151	178	213	246	296	401	503
ERP Energy Efficiency Class		C	C	C	C	C	C	C	C	D

\* 100mm insulation available on request

\*\* Alternative volumes and Bespoke Buffer Vessels available on request

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