



# Xylem UK Pressure Vessels

PRESSURE VESSELS FOR BUILDING SERVICES AND INDUSTRIAL APPLICATIONS

# Pressure Vessels

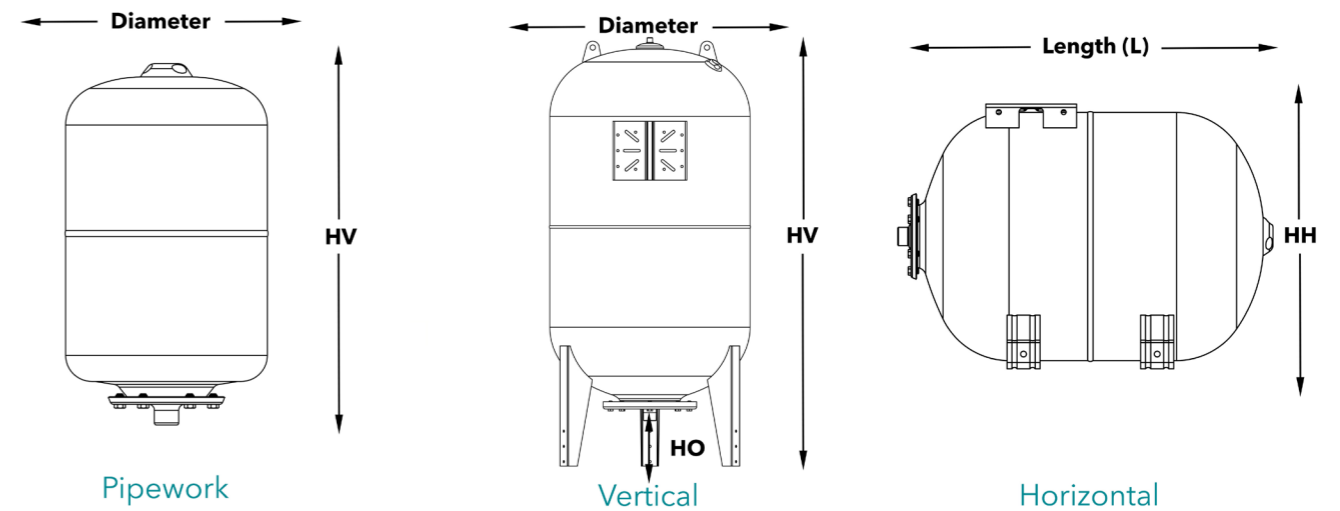
The pressure vessel is designed to provide a storage facility and pressure reservoir for water at temperatures up to 70°C. Common uses are in water booster sets, heating pressurisation and fill sets. The vessel incorporates a Butyl diaphragm mounted in a mild steel shell. This method of construction eliminates any contact between the stored water and the steel shell of the vessel, and is therefore suitable for use with potable water.

The vessel is supplied pre-charged, but this pressure may require adjustment to suit the site conditions. This adjustment must be made with the vessel isolated from the system, and before filling with water. All pressure vessels should be installed with an isolating valve and drain cock.

## Zilmet Vessel

Features of the Zilmet UltraPro LV & LH Vessels include:

- The WRAS approved Butyl Rubber diaphragm is replaceable.
- Wide range of available sizes and mounting options which include Vertical with feet, Pipework and Horizontal
- Stainless steel connection flange makes Zilmet pressure tanks suitable for any application.
- The tank is factory tested and certified according to EU directive 97/23/EC.
- Maximum lifespan of the membrane is assured as the membrane itself cannot bend or rub against the plate as it is fixed above to the connection above and below to the flange



## 10 bar Rated

Model	Capacity in litres	Mounting	Pressure Rating	Connection Size, Inch	Diameter "Ø De" mm	Height Vert (HV) mm	Floor to Port (HO) mm	Height Horz (HH) mm	Length (L) mm
5 LV	5	Pipework Mounted	10 Bar	¾"G	160	316	-	-	-
8 LV	8	Pipework Mounted	10 Bar	¾"G	200	326	-	-	-
18 LV	18	Pipework Mounted	10 Bar	¾"G	270	395	-	-	-
24 LV / 24 LH	24	Pipework & Horizontal	10 Bar	1"G	270	485	-	290	481
50 LH	50	Horizontal	10 Bar	1"G	380	-	-	410	580
60 LV / 60 LH	60	Vertical & Horizontal	10 Bar	1"G	380	880	174	410	690
80 LV / 80 LH	80	Vertical & Horizontal	10 Bar	1"G	450	850	157	480	690
100 LV / 100 LH	100	Vertical & Horizontal	10 Bar	1"G	450	950	157	480	797
200 LV / 200 LH	200	Vertical & Horizontal	10 Bar	1½"G	550	1285	195	580	1075
300 LV / 300 LH	300	Vertical & Horizontal	10 Bar	1½"G	630	1415	173	660	1230
500 LV	500	Vertical	10 Bar	1½"G	750	1610	170	-	-
750 LV	750	Vertical	10 Bar	1½"G	750	2125	135	-	-
1000 LV	1000	Vertical	10 Bar	1½"G	850	2150	105	-	-

## Specification

Temp Range: 0c to 70c  
 Pressure Rating: 10 or 16 bar Options  
 Colour: Blue (Ral 5015)  
 Pre-charge Press: 1.5 - 4 Bar (Capacity dependant)

## Certification

WRAS Approval number: 1910011 & 1904031

## 16 bar Rated

Model	Capacity in litres	Mounting	Pressure Rating	Connection Size, Inch	Diameter "Ø De" mm	Height Vert (HV) mm	Floor to Port (HO) mm	Height Horz (HH) mm	Length (L) mm
24 LH/LV	24	Pipework & Horizontal	16 Bar	1"G	270	485	-	290	485
100 LH/LV	100	Vertical & Horizontal	16 Bar	1"G	450	950	-	480	797
200 LH/LV	200	Vertical & Horizontal	16 Bar	1½"G	550	1285	-	580	1075
300 LH/LV	300	Vertical & Horizontal	16 Bar	1½"G	630	1415	-	660	1230
500 LV	500	Vertical	16 Bar	1½"G	750	1610	170	-	-
750 LV	750	Vertical	16 Bar	1½"G	750	2125	135	-	-
1000 LV	1000	Vertical	16 Bar	1½"G	850	2150	105	-	-

## 10 Bar Rated, Stainless Steel Shell

Model	Capacity in litres	Mounting	Pressure Rating	Connection Size, Inch	Diameter "Ø De" mm	Height Vert (HV) mm	Floor to Port (HO) mm	Height Horz (HH) mm	Length (L) mm
2 LV	2	Pipework Mounted	10 Bar	½"G	140	196	-	-	-
8 LV	8	Pipework Mounted	10 Bar	¾"G	200	275	-	-	-
12 LV	18	Pipework Mounted	10 Bar	¾"G	270	275	-	-	-
24 LV / 24 LH	24	Pipework & Horizontal	10 Bar	1"G	270	481	-	290	485
60 LV / 60 LH	60	Vertical & Horizontal	10 Bar	1"G	380	880	174	410	690

## Materials

Outer Shell: Carbon Steel or Stainless steel  
 Flange: Stainless steel  
 Diaphragm: Butyl Rubber  
 Paint: Epoxy Coating

# Reflex Vessel



Features of the Reflex DE and HW vessels include:

- WRAS approved and suitable for potable water applications as standard with all vessel parts in contact with water coated against corrosion
- Durable external powder coating finish
- Vessels larger than 1000 litres in volume come installed with pressure gauge integrated in the gas compartment
- Wide range of products available in either 10, 16 or 25 bar rated variants to suit your application requirements
- Pipework, Vertical (with feet) and Horizontal mounting options available from sizes between 2 and 5000 litre
- Approval according to European Commission Pressure Equipment Directive 2014/68/EU.
- The bladder is replaceable according to DIN EN 13831



## 10 bar Rated

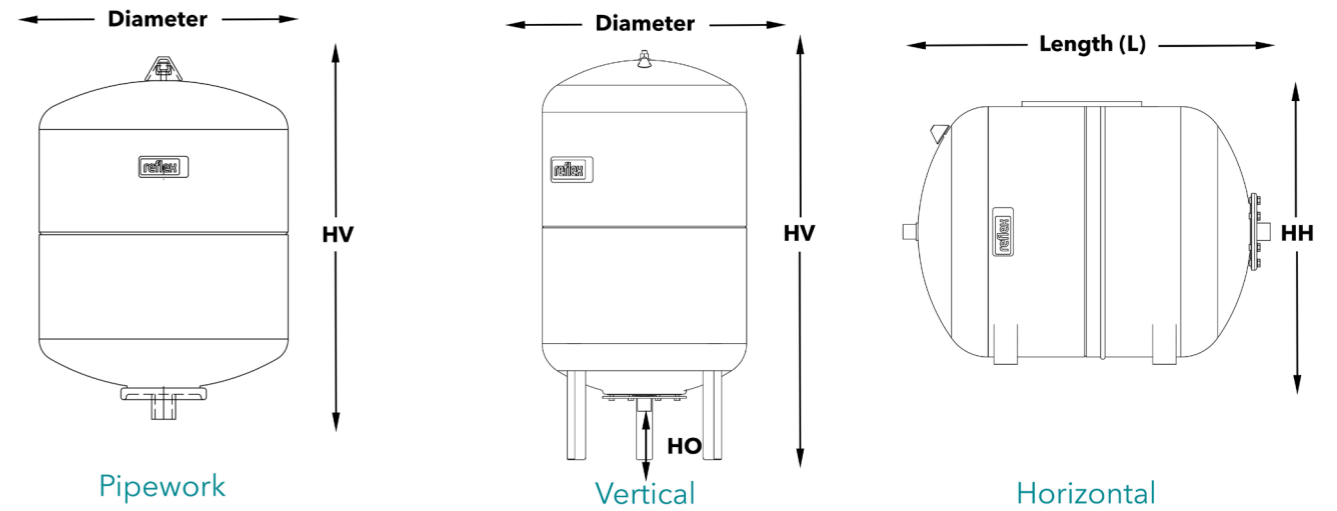
Model	Capacity in litres	Mounting	Pressure Rating	Connection Size, Inch	Diameter "Ø De" mm	Height Vert (HV) mm	Floor to Port (HO) mm	Height Horz (HH) mm	Length (L) mm
DE 2	2	Pipework Mounted	10 Bar	¾"G	132	260	-	-	-
DE 8	8	Pipework Mounted	10 Bar	¾"G	206	332	-	-	-
DE 12	12	Pipework Mounted	10 Bar	¾"G	280	310	-	-	-
DE 18	18	Pipework Mounted	10 Bar	¾"G	354	457	-	-	-
DE 25 / HW 25	25	Pipework & Horizontal	10 Bar	¾"G	280	518	-	304	518
DE 33 (/w Feet)	33	Vertical	10 Bar	¾"G	354	520	66	-	-
DE 50 / HW 50	50	Vertical & Horizontal	10 Bar	1"G	409	604	102	432	503
DE 60 / HW 60	60	Vertical & Horizontal	10 Bar	1"G	409	734	161	432	577
DE 80 / HW 80	80	Vertical & Horizontal	10 Bar	1"G	480	737	143	504	593
DE 100 / HW 100	100	Vertical & Horizontal	10 Bar	1"G	480	852	143	504	706
DE 200	200	Vertical	10 Bar	1 1/4"G	634	967	150	-	-
DE 300	300	Vertical	10 Bar	1 1/4"G	634	1267	150	-	-
DE 400	400	Vertical	10 Bar	1 1/4"G	740	1245	139	-	-
DE 500	500	Vertical	10 Bar	1 1/4"G	740	1475	133	-	-
DE 600	600	Vertical	10 Bar	1 1/2"G	740	1859	263	-	-
DE 800	800	Vertical	10 Bar	1 1/2"G	750	2324	263	-	-
DE 1000	1000	Vertical	10 Bar	1 1/2"G	740	2804	261	-	-
DE 1500	1500	Vertical	10 Bar	DN65 / PN 16	1200	1991	291	-	-
DE 2000	2000	Vertical	10 Bar	DN65 / PN 16	1200	2451	291	-	-
DE 3000	3000	Vertical	10 Bar	DN65 / PN 16	1500	2531	320	-	-
DE 4000	4000	Vertical	10 Bar	DN65 / PN 16	1500	3080	320	-	-
DE 5000	5000	Vertical	10 Bar	DN65 / PN 16	1500	3645	320	-	-

## Specification

Temp Range: 0c to 70c  
 Pressure Rating: 10, 16 or 25 bar  
 Colour: Blue (Ral 5007)  
 Pre-charge Press: 4 Bar

## Certification

WRAS Approval number: 1709092, 1709336, 1709093 & 1604076



## 16 bar Rated

Model	Capacity in litres	Mounting	Pressure Rating	Connection Size, Inch	Diameter "Ø De" mm	Height Vert (HV) mm	Floor to Port (HO) mm	Height Horz (HH) mm	Length (L) mm
DE 8	8	Pipework Mounted	16 Bar	½"G	206	337	-	-	-
DE 12	12	Pipework Mounted	16 Bar	¾"G	280	310	-	-	-
DE 25	25	Pipework Mounted	16 Bar	¾"G	280	518	-	-	-
DE 80	80	Vertical	16 Bar	1"G	480	744	138	-	-
DE 100	100	Vertical	16 Bar	1"G	480	849	132	-	-
DE 200	200	Vertical	16 Bar	1"G	634	967	150	-	-
DE 300	300	Vertical	16 Bar	1"G	634	1267	150	-	-
DE 400	400	Vertical	16 Bar	1"G	740	1394	263	-	-
DE 500	500	Vertical	16 Bar	1 1/2"G	740	1614	263	-	-
DE 600	600	Vertical	16 Bar	1"G	740	1859	263	-	-
DE 800	800	Vertical	16 Bar	1 1/2"G	740	2324	263	-	-
DE 1000	1000	Vertical	16 Bar	1 1/2"G	740	2804	263	-	-

## 25 bar Rated

Model	Capacity in litres	Mounting	Pressure Rating	Connection Size	Ø De mm	Height Vert (HV) mm	Floor to Port (HO) mm	Height Horz (HH) mm	Length (L) mm
DE 8	8	Pipework Mounted	25 Bar	¾"G	206	338	-	-	-
DE 80	80	Vertical	25 Bar	DN 50	450	942	159	-	-
DE 120	120	Vertical	25 Bar	DN 50	225	1253	159	-	-
DE 180	180	Vertical	25 Bar	DN 50	450	1528	159	-	-
DE 300	300	Vertical	25 Bar	DN 50	750	1318	160	-	-
DE 400	400	Vertical	25 Bar	DN 50	750	1423	160	-	-
DE 600	600	Vertical	25 Bar	DN 50	750	1868	159	-	-
DE 800	800	Vertical	25 Bar	DN 50	750	2268	159	-	-
DE 1000	1000	Vertical	25 Bar	DN 50	750	2768	159	-	-

## Materials

Outer Shell: Carbon Steel  
 Flange: Galvanised steel  
 Diaphragm: Butyl Rubber  
 Paint: Epoxy coated

# Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

**For more information on how Xylem can help you, go to [www.xylem.com](http://www.xylem.com)**



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