

High pressure vessel BE02



Description:

High pressure vessels are used to store larger quantities of media under particularly high pressure limits. Thanks to included sockets, the vessel can be filled or emptied.

Features:

- suitable for media like compressed air and nitrogen (water and natural gas in request)
- directive DGRL 2014/68/EU – AD 2000 and certified according to DIN ISO 9001
- operating conditions according to AD 2000 – S1 (10/2000): 1000 starts and stops and 20% pressure fluctuation range possible
- longitudinal seams welded on both sides for safety with high pressure fluctuation range

volume:

150 litre – 3000 litre

design:

vertical or horizontal

pressure:

until 41 bar
depending on design

temperature:

-10°C - +50°C

hand hole & man hole:

150 – 750 litre: 1 hand hole (100 mm x 150 mm)
1000 – 3000: 2 hand holes (100 mm x 150 mm)

temperature resistance:

-10°C until +50°C

material:

steel galvanized inside and outside
steel primed (inside raw)

pressure:

until 23 bar
until 26 bar
until 31 bar
until 36 bar
until 41 bar

Vorteile:

- longitudinal seams welded on both sides for safety with high pressure fluctuation range
- detailed technical documentation
- vessels can be operated safely in winter up to a temperature limit of -10°C

* Vertical vessels have a hand hole from 250 to 750 litre

dimensions for vertical high pressure vessel:

volume	diameter	pressure stage: until 23 bar until 26 bar		pressure stage: until 31 bar		pressure stage: until 36 bar until 41 bar	
		height	weight	height	weight	height	weight
150 litre	450 mm	1165 mm	120 kg	1165 mm	130 kg	1225 mm	175 kg
250 litre	500 mm	1575 mm	160 kg	1585 mm	175 kg	1595 mm	200 kg
350 litre	550 mm	1795 mm	200 kg	1805 mm	220 kg	1815 mm	260 kg
500 litre	600 mm	1955 mm	250 kg	1955 mm	290 kg	1975 mm	330 kg
750 litre	750 mm	2015 mm	350 kg	2025 mm	400 kg	2045 mm	490 kg
1000 litre	800 mm	2265 mm	400 kg	2275 mm	460 kg	2285 mm	570 kg
1500 litre	1000 mm	2270 mm	580 kg	2280 mm	670 kg	2300 mm	840 kg
2000 litre	1100 mm	2490 mm	800 kg	2510 mm	900 kg	2520 mm	1150 kg
3000 litre	1250 mm	2770 mm	1080 kg	2780 mm	1400 kg	2800 mm	1620 kg

dimensions for horizontal high pressure vessel:

volume	diameter	height	pressure stage: until 23 bar until 26 bar		pressure stage: until 31 bar		pressure stage: until 36 bar until 41 bar	
			length	weight	length	weight	length	weight
150 litre	450 mm	580 mm	1030 mm	100 kg	1030 mm	110 kg	1040 mm	130 kg
250 litre	500 mm	632 mm	1410 mm	140 kg	1420 mm	150 kg	1430 mm	190 kg
350 litre	550 mm	670 mm	1630 mm	185 kg	1640 mm	200 kg	1660 mm	260 kg
500 litre	600 mm	705 mm	1800 mm	230 kg	1800 mm	265 kg	1820 mm	330 kg
750 litre	750 mm	857 mm	1880 mm	350 kg	1880 mm	400 kg	1900 mm	500 kg
1000 litre	800 mm	905 mm	2140 mm	410 kg	2150 mm	470 kg	2160 mm	590 kg
1500 litre	1000 mm	1200 mm	2070 mm	620 kg	2080 mm	710 kg	2100 mm	880 kg
2000 litre	1100 mm	1300 mm	2290 mm	795 kg	2300 mm	910 kg	2320 mm	1160 kg
3000 litre	1250 mm	1450 mm	2560 mm	1155 kg	2580 mm	1335 kg	2600 mm	1740 kg

connections for high pressure vessel:

volume	Ø	vertical	horizontal
150 Liter	450 mm	2 x G 1/2", 1 x G 1", 4 x G 1 1/4", 2 x G 1 1/2"	1 x G 3/8", 3 x G 1/2", 2 x G 2"
250 Liter	500 mm	2 x G 1/2", 1 x G 1", 4 x G 1 1/4", 2 x G 1 1/2"	3 x G 1/2", 2 x G 1 1/2"
350 Liter	550 mm	2 x G 1/2", 1 x G 1", 4 x G 1 1/4", 2 x G 1 1/2"	2 x G 1/2", 1 x G 3/4", 2 x G 1 1/2"
500 Liter	600 mm	2 x G 1/2", 1 x G 1", 4 x G 1 1/4", 2 x G 1 1/2"	2 x G 1/2", 1 x G 1 1/4", 2 x G 1 1/2"
750 Liter	750 mm	2 x G 1/2", 1 x G 1", 4 x G 1 1/4", 2 x G 1 1/2"	2 x G 1/2", 1 x G 1 1/4", 2 x G 1 1/2"
1000 Liter	800 mm	2 x G 1/2", 1 x G 1", 4 x G 1 1/4", 2 x G 1 1/2"	2 x G 1/2", 2 x G 1 1/4", 2 x G 1 1/2"
1500 Liter	1000 mm	3 x G 1/2", 6 x G 2"*/ 3 x G 1/2", 2 x G 1", 4 x G 2"***	2 x G 1/2", 1 x G 3/4", 2 x G 1", 4 x G 2"
2000 Liter	1100 mm	3 x G 1/2", 2 x G 2", 4 x G 2 1/2"*/ 3 x G 1/2", 2 x G 1", 4 x G 2 1/2"***	2 x G 1/2", 1 x G 3/4", 1 x G 1", 4 x G 2"
3000 Liter	1250 mm	3 x G 1/2", 6 ⁽ⁱ⁾ x G 2", 4 x G 2 1/2"*/ 3 x G 1/2", 6 x G 2 1/2"***	2 x G 1/2", 1 x G 3/4", 1 x G 1", 2 x G 1 1/2", 6 ⁽ⁱ⁾ x G 2"*/ 2 x G 1/2", 1 x G 3/4", 1 x G 1", 2 x G 1 1/2", 2 x G 2"***

*applies to version steel galvanized

**applies to version steel primed

⁽ⁱ⁾ including 4 galvanized sleeves with G 2" connection

article number:

type	version	material	pressure	design	volume
BE02	0 – high pressure	0 – Steel galvanized 1 – Steel primed (inside raw)	0 – until 23 bar 1 – until 26 bar 2 – until 31 bar 3 – until 36 bar 4 – until 41 bar	0 – vertical 1 - horizontal	03 – 150 litre 04 – 250 litre 05 – 350 litre 06 – 500 litre 07 – 750 litre 08 – 1000 litre 09 – 1500 litre 10 – 2000 litre 11 – 3000 litre

example Nr. BE02000106

BE02	0	0	0	1	06
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High pressure vessel
 Material: Steel galvanized
 pressure: until 23 bar
 design: vertical
 volume: 500 litre

Special modifications are possible on request, such as:

- with painting
- socket modification
- with flanges
- with man hole closure (320 mm x 420 mm) from vessel size of 1000 litre
- inner coating suitable for drinking water from vessel size of 1000 litre

Important: Completely customized high pressure vessels can also be requested

Image similar, subject change without notice