

Pressure vessel BE04



Description:

Pressurized water vessel made of stainless steel are used to store larger quantities of media like drinking water under certain pressure limits. Thanks to included sockets, the container can be filled or emptied.

Features:

- suitable for media like drinking water
- made of stainless steel 1.4571
- directive DGRL 2014/68/EU – AD2000
- operating conditions AD 2000 – S1 with max. 1000 full load cycles and infinite number of load cycles at max. 20% of the permissible operating pressure
- identical to DIN 4810
- CE approval, type-tested up to bis 3000 l
- Versions with volume from 750 l with 2 lifting lugs

volumen:

100 litre – 10000 litre

design:

vertical

pressure:

6 bar and 10 bar

temperature:

0°C - +50°C

hand hole & man hole closure:

100 – 750 litre: 1 hand hole (100 mm x 150 mm)
1000 – 3000 litre: 2 hand holes (100 mm x 150 mm)
4000 – 10000 litre: 1 man hole (320 mm x 420 mm)

feet:

<= 3000 litre: 3 press feet
>= 4000 litre: 3 tubular feet

temperature resistance:

0°C up to +50°C

material:

stainless steel 1.4571

media:

drinking water

surface treatment:

pickled and passivated in a full bath

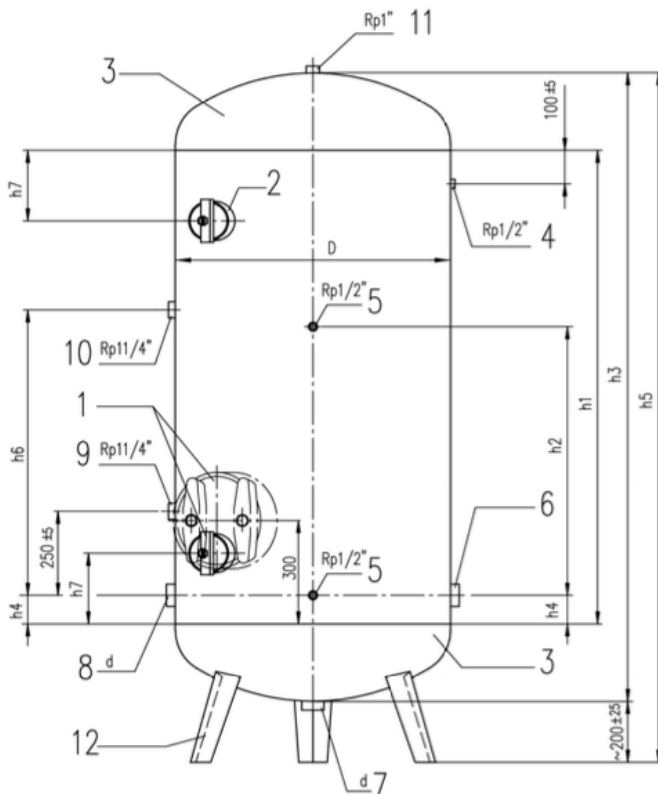
pressure:

6 bar and 10 bar

operating conditions:

- designed for predominantly static loads
- the pH-value of the water should not fall below 7
- the drinking water ordinance must be complied with
- the temperature limits must be observed
- installation, maintenance and cleaning work must be carried out by qualified personnel
- transportation with suitable means of transportation should only take place when empty

dimensions for vertical pressurized water vessel:



Connection options in accordance with drawing example:

1. Handhole or manhole closure fitted at 45° to vessel axis
2. 2 handhole closures only for vessels with nominal volume of 1000 to 3000 litre
3. Vessel bottom according to DIN 28013
4. Connection for pressure regulator
5. Connections for water level gauge
6. Connection for pump
7. Connection for draining or supply line
8. Connection for supply line
9. Connection for venting device
10. Connection for venting device
11. Reserve connection
12. 3 press feet for vessels <= 3000 Liter
3 tubular feet for vessels >= 4000 Liter

Important: >= 750 l capacity with 2 lifting lugs

volume in l	Ø in mm	d	h1 in mm	h2 in mm	h3 in mm	h4 in mm	h5 in mm	h6 in mm	h7 in mm	weight in kg at 6 bar	weight in kg at 10 bar
100	350	Rp 2"	1000	500	1220	85	1450	500	210	31 kg	33 kg
150	450	Rp 2"	750	500	1020	85	1240	500	210	35 kg	36 kg
300	550	Rp 2"	1000	700	1320	85	1530	675	210	53 kg	55 kg
500	650	Rp 2"	1250	700	1630	85	1840	800	210	69 kg	87 kg
750	800	Rp 2"	1250	700	1700	85	1885	800	210	91 kg	130 kg
1000	800	Rp 2"	1700	1000	2150	85	2335	1050	210	116 kg	165 kg
1500	1000	Rp 3"	1500	1000	2050	120	2230	1000	300	184 kg	272 kg
2000	1100	Rp 3"	1700	1000	2300	120	2485	1125	300	226 kg	339 kg
3000	1150	Rp 3"	2500	1000	3130	120	3305	1500	300	331 kg	483 kg
4000	1400	Rp 3"	2000	1000	2780	120	2980	1390	300	562 kg	803 kg
5000	1500	Rp 3"	2250	1000	3060	120	3260	1550	300	672 kg	955 kg
6000	1500	Rp 3"	2750	1000	3560	120	3760	1825	300	749 kg	1077 kg
7000	1600	Rp 3"	2750	1000	3650	120	3860	1875	300	964 kg	1206 kg
8000	1600	Rp 3"	3250	1000	4150	120	4350	2125	300	1062 kg	1323 kg
10000	1600	Rp 3"	4500	1000	5400	120	5600	2625	300	1259 kg	1559 kg

options (on request):

- vessels in horizontal design
- socket modification
- 1 manhole closure for 1500 to 3000 litre (instead of 2 hand hole closures)
- vessel bottom according to DIN 28011

article number:

type	version	material	pressure	design	volume
BE04	0 – drinking water	0 – stainless steel	0 – until 6 bar 1 – until 10 bar	0 – vertical	02 – 100 litre 03 – 150 litre 04 – 300 litre 06 – 500 litre 07 – 750 litre 08 – 1000 litre 09 – 1500 litre 10 – 2000 litre 11 – 3000 litre 12 – 4000 litre 13 – 5000 litre 15 – 6000 litre 16 – 7000 litre 17 – 8000 litre 19 – 10000 litre

Example No. BE04000006

BE04	0	0	0	0	06
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Pressurised water vessel
 material: stainless steel
 pressure: until 6 bar
 design: vertical
 volume: 500 litre

Important: Completely customized pressure vessels can also be requested

Image similar, subject change without notice