

Pressure tank ZKG-3B



For a higher demand of beer we also offer bigger tanks approved and constructed till 3 bar working pressure, customized individually for your needs. This cylindrical-conical fermentation tank is ideal for the main fermentation and maturing. The yeast is gathered in the centre of the cone at the bottom of the tank.

Depending on the model, the yeast can be removed at the bottom outlet. Alternatively, a racking outlet at the cone can be used to extract the clarified beer. This model is mostly used with the one tank method.

APPLICATION RANGE (PRESSURE RANGE UP TO 3.0 BAR)

- Fermentation
- Maturation
- Storage

Ideal for

- Beer





STANDARD EQUIPMENT FOR PRESSURE TANK ZKG-3B

- For pressure application up to max. 3.0 bar
- Tank shell made of stainless steel AISI 304 (V2A), IIIc / III d
- Tank top made of stainless steel AISI 304 (V2A), IIIc / III d
- Cone bottom approx. 60° made of stainless steel AISI 304 (V2A), surface IIIc / III d
- Surface outside marbled or brushed
- Ladder safety bow (from 2,000 mm tank height onward)
- Free-standing on welded-on pipe legs
- Made in compliance with pressure equipment guidelines 2014 / 68 / EU

Sampling

- Weld-on thread NW 10 DIN 11851
- Sealing: NBR

Filling dome bei 300 litres (3.0 hl)

- Filling dome NW 400 with flap lid
- Sealing: silicone

Manhole from 800 litres (8.0 hl)

- Welded stable manhole neck 340 x 440 mm, door with swivelling handle and toggle nut
- Sealing: natural rubber

Cleaning pipe from 800 litres (8.0 hl) upwards

- Cleaning spray head, drill hole 360° with spray head holder, including cleaning pipe, connection thread NW 40
- Sealing: NBR

Bottom outlet

- Dimensionally stable cone bottom approx. 60°, with outlet pipe drawn forward, outlet NW 40 DIN 11851
- Sealing: NBR

Type plate

- Mounted on tank edge

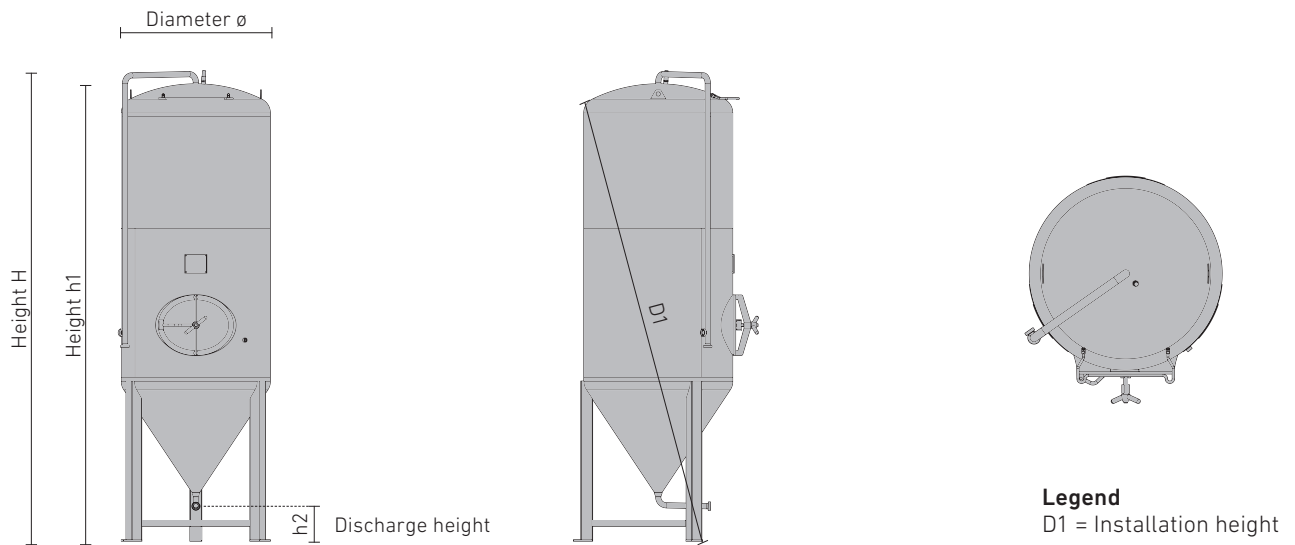
Safety valve

- Set to 3.0 bar operating pressure, mounted on tank top

SET-UP EXAMPLE FOR PRESSURE TANK ZKG-3B

Item	Order No.
	<p>Pressure tank ZKG-160-3-5500 litres</p> <ul style="list-style-type: none"> · $h_1 = 4,172 \text{ mm}$, $H_{\text{compl.}} = 4,172 \text{ mm (h}_1) + 150 \text{ mm (cleaning pipe)}$ · $+ \text{ approx. } 100 \text{ mm (height compensation)} = 4,422 \text{ mm}$ · Standard equipment as on page 81 <p>ZKG-160-3-5500</p>
	<p>Cleaning pipe (page 146)</p> <ul style="list-style-type: none"> · With disc valve NW40 <p>61375</p>
	<p>Sampling (page 150)</p> <ul style="list-style-type: none"> · With sampling tap NW 10 DIN 11851 · With spiral <p>83922 83866</p>
	<p>Racking outlet (page 146)</p> <ul style="list-style-type: none"> · Racking outlet and bottom outlet armature 100 / 40 · With disc valve NW 40 DIN 11851 <p>91999 61375</p>
	<p>Racking outlet (page 146)</p> <ul style="list-style-type: none"> · With disc valve NW 40 DIN 11851 <p>61375</p>
	<p>Bottom outlet (page 158)</p> <ul style="list-style-type: none"> · Bung pressure regulation ("Kellerfee") · Up to 3 bar for junction NW 25 DIN 11851 on cleaning pipe <p>81457</p>
	<p>Heating and cooling jacket (page 102)</p> <ul style="list-style-type: none"> · Double jacket A 5.3 m^2 with welded gland thread G 1" for connection to available warm water / cold water source · Version 1, Connection position F3 · With cone double jacket 2.3 m^2 <p>1F3 1F3</p>
	<p>Temperature measurement (page 153)</p> <ul style="list-style-type: none"> · Bi-metal dial thermometer $\varnothing 100 \text{ mm}$, measuring range $-20 \text{ }^\circ\text{C}$ to $+60 \text{ }^\circ\text{C}$ · Length = 125 mm · Including welded-on sleeve for thermometer <p>TM-140F</p>
	<p>Fill level (page 151)</p> <ul style="list-style-type: none"> · Fill level indicator NW10 DIN 11851 with litre scale · Closed version · Connection between level indicator and cleaning pipe <p>FS-130I VL50A</p>
	<p>Adjustable feet (page 156)</p> <ul style="list-style-type: none"> · With adjustable feet for tank legs ($H = + \text{ approx. } 100 \text{ mm}$) <p>46125</p>
<p>TÜV-fees (fees for German Technical Control Board) including technical approval and documentation</p>	<p>TÜV-001</p>

DIMENSIONS OF PRESSURE TANK ZKG-3B



PRESSURE TANK ZKG-3B Ø 630 MM

Capacity litres	Capacity hl	ø mm	h1 mm	H mm	h2 mm	D1 mm	Order No.
300	3,0	630	1,798	1,978	300	1,924	ZKG-063-3-0300

PRESSURE TANK ZKG-3B Ø 1,000 MM

Capacity litres	Capacity hl	ø mm	h1 mm	H mm	h2 mm	D1 mm	Order No.
800	8.0	1,000	2,148	2,298	300	2,260	ZKG-100-3-0800
900	9.0	1,000	2,263	2,413	300	2,390	ZKG-100-3-0900
1,100	11.0	1,000	2,523	2,673	300	2,640	ZKG-100-3-1100
1,200	12.0	1,000	2,606	2,756	300	2,750	ZKG-100-3-1200
1,500	15.0	1,000	3,043	3,193	300	2,130	ZKG-100-3-1500
1,700	17.0	1,000	3,261	3,411	300	3,370	ZKG-100-3-1700
1,800	18.0	1,000	3,435	3,585	300	3,540	ZKG-100-3-1800
2,050	20.5	1,000	3,761	3,882	300	3,870	ZKG-100-3-2050
2,250	22.5	1,000	4,011	4,161	300	4,120	ZKG-100-3-2250

PRESSURE TANK ZKG-3B Ø 1,200 MM

Capacity litres	Capacity hl	ø mm	h1 mm	H mm	h2 mm	D1 mm	Order No.
1,800	18.0	1,200	2,807	2,957	300	2,960	ZKG-120-3-1800
2,000	20.0	1,200	2,978	3,128	300	3,100	ZKG-120-3-2000
2,400	24.0	1,200	3,308	3,458	300	3,460	ZKG-120-3-2400
3,000	30.0	1,200	3,917	4,067	300	4,010	ZKG-120-3-3000
3,300	33.0	1,200	4,241	4,391	300	4,330	ZKG-120-3-3300

PRESSURE TANKS ZKG-3B Ø 1,400 MM

Capacity litres	Capacity hl	Ø mm	h1 mm	H mm	h2 mm	D1 mm	Order No.
2,400	24.0	1,400	3,095	3,245	300	3,040	ZKG-140-3-2400
3,000	30.0	1,400	3,310	3,460	300	3,430	ZKG-140-3-3000
3,600	36.0	1,400	3,711	3,861	300	3,830	ZKG-140-3-3600
4,000	40.0	1,400	3,961	4,111	300	4,080	ZKG-140-3-4000
4,400	44.0	1,400	4,211	4,361	300	4,330	ZKG-140-3-4400
4,700	47.0	1,400	4,461	4,611	300	4,580	ZKG-140-3-4700
5,100	51.0	1,400	4,711	4,861	300	5,080	ZKG-140-3-5100
5,500	55.0	1,400	4,961	5,111	300	5,330	ZKG-140-3-5500

PRESSURE TANKS ZKG-3B Ø 1,600 MM

Capacity litres	Capacity hl	Ø mm	h1 mm	H mm	h2 mm	D1 mm	Order No.
3,500	35.0	1,600	3,406	3,556	300	3,655	ZKG-160-3-3500
4,000	40.0	1,600	3,656	3,806	300	3,891	ZKG-160-3-4000
4,500	45.0	1,600	3,906	4,056	300	4,128	ZKG-160-3-4500
5,000	50.0	1,600	4,156	4,306	300	4,367	ZKG-160-3-5000
5,500	55.0	1,600	4,406	4,556	300	4,607	ZKG-160-3-5500
6,000	60.0	1,600	4,656	4,806	300	4,848	ZKG-160-3-6000
6,500	65.0	1,600	4,906	5,056	300	5,090	ZKG-160-3-6500
7,000	70.0	1,600	5,156	5,306	300	5,333	ZKG-160-3-7000
7,500	75.0	1,600	5,406	5,556	300	5,576	ZKG-160-3-7500

PRESSURE TANKS ZKG-3B Ø 1,800 MM

Capacity litres	Capacity hl	Ø mm	h1 mm	H mm	h2 mm	D1 mm	Order No.
4,750	47.5	1,800	3,661	3,811	300	3,947	ZKG-180-3-4750
5,400	54.0	1,800	3,831	3,981	300	4,182	ZKG-180-3-5400
6,000	60.0	1,800	4,161	4,311	300	4,418	ZKG-180-3-6000
6,600	66.0	1,800	4,411	4,561	300	4,656	ZKG-180-3-6600
7,200	72.0	1,800	4,661	4,811	300	4,895	ZKG-180-3-7200
7,800	78.0	1,800	4,911	5,061	300	5,135	ZKG-180-3-7800
8,500	85.0	1,800	5,161	5,311	300	5,376	ZKG-180-3-8500
9,100	91.0	1,800	5,411	5,561	300	5,617	ZKG-180-3-9100
9,700	97.0	1,800	5,661	5,811	300	5,860	ZKG-180-3-9700

PRESSURE TANKS ZKG-3B Ø 2,000 MM

Capacity litres	Capacity hl	Ø mm	h1 mm	H mm	h2 mm	D1 mm	Order No.
6,200	62.0	2,000	3,886	4,036	300	4,211	ZKG-200-3- 6200
6,900	69.0	2,000	4,136	4,286	300	4,445	ZKG-200-3- 6900
7,700	77.0	2,000	4,386	4,536	300	4,585	ZKG-200-3- 7700
8,500	85.0	2,000	4,636	4,786	300	4,916	ZKG-200-3- 8500
9,200	92.0	2,000	4,886	5,036	300	5,154	ZKG-200-3- 9200
10,000	100.0	2,000	5,136	5,286	300	5,393	ZKG-200-3-10000
10,800	108.0	2,000	5,386	5,536	300	5,633	ZKG-200-3-10800
11,500	115.0	2,000	5,636	5,786	300	5,873	ZKG-200-3-11500
12,300	123.0	2,000	5,886	6,036	300	6,115	ZKG-200-3-12300

PRESSURE TANKS ZKG-3B Ø 2,200 MM

Capacity litres	Capacity hl	Ø mm	h1 mm	H mm	h2 mm	D1 mm	Order No.
7,800	78.0	2,200	4,119	4,269	300	4,684	ZKG-220-3- 7800
8,800	88.0	2,200	4,369	4,519	300	4,716	ZKG-220-3- 8800
9,700	97.0	2,200	4,619	4,769	300	4,950	ZKG-220-3- 9700
10,500	105.0	2,200	4,869	5,019	300	5,185	ZKG-220-3-10500
11,500	115.0	2,200	5,119	5,269	300	5,422	ZKG-220-3-11500
12,500	125.0	2,200	5,369	5,519	300	5,660	ZKG-220-3-12500
13,500	135.0	2,200	5,619	5,769	300	5,899	ZKG-220-3-13500
14,300	143.0	2,200	5,869	6,019	300	6,138	ZKG-220-3-14300
15,200	152.0	2,200	6,119	6,269	300	6,379	ZKG-220-3-15200
16,200	162.0	2,200	6,369	6,519	300	6,621	ZKG-220-3-16200
17,200	172.0	2,200	6,619	6,769	300	6,862	ZKG-220-3-17200
18,000	180.0	2,200	6,869	7,019	300	7,104	ZKG-220-3-18000
19,000	190.0	2,200	7,119	7,269	300	7,348	ZKG-220-3-19000
20,000	200.0	2,200	7,369	7,519	300	7,591	ZKG-220-3-20000

