



» Pressure tank FS-M0-3B-ZKG

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

- › Fermentation
- › Maturation
- › Storage

- Ideal for
- › Beer
 - › All kinds of beverages
 - › Food

STANDARD EQUIPMENT FOR PRESSURE TANK FS-MO-3B-ZKG

- › Tank shell made of stainless steel AISI 304 (V2A), IIIc / IIIId
- › Tank top made of stainless steel AISI 304 (V2A), IIIc / IIIId
- › Cone bottom approx. 60° made of stainless steel AISI 304 (V2A), surface IIIc / IIIId
- › 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 (for the installation of the sample tap)

FILLING DOME AT 300 LITRES (3.0 HL)

- › Filling dome NW 400 with flap lid

MANHOLE FROM 800 LITRES (8.0 HL) UPWARDS

- › Welded stable manhole neck 340x440 mm, door with swivelling handle and toggle nut

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

BOTTOM OUTLET

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

TYPE PLATE











- › Mounted on tank edge

SAFETY VALVE

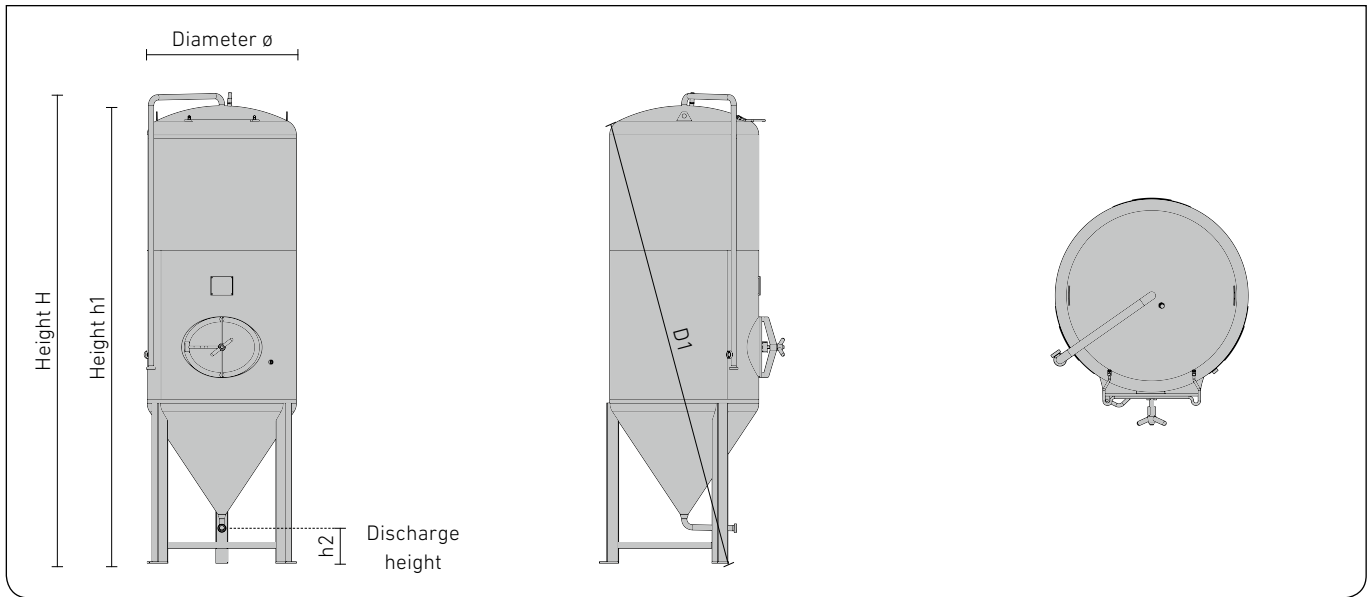
- › Set to 3.0 bar operating pressure, mounted on tank top



SET-UP EXAMPLE FOR PRESSURE TANK FS-MO-3B-ZKG

| | Item | Order No. |
|---|--|-----------------------|
|  | <p>Pressure tank FS-MO-160-3B-5500 litres</p> <ul style="list-style-type: none"> › h1 = 4,172 mm, $H_{ges} = 4,172 \text{ mm (h1)} + 150 \text{ mm (cleaning pipe)} + \text{approx. } 100 \text{ mm (height compensation)}$ = 4,422 mm › Standard equipment as on page 103 | FS-MO-160-5500-3B-ZKG |
|  | <p>Cleaning pipe (page 167)</p> <ul style="list-style-type: none"> › With disc valve NW 40 | 61375 |
|  | <p>Sampling (page 171)</p> <ul style="list-style-type: none"> › With sampling tap NW 10 DIN 11851 › With spiral | 83922 83866 |
|  | <p>Racking outlet (page 167)</p> <ul style="list-style-type: none"> › Racking outlet and bottom outlet armature 100 / 40 › With disc valve NW 40 DIN 11851 | 91999 61375 |
|  | <p>Bottom outlet (page 167)</p> <ul style="list-style-type: none"> › With disc valve NW 40 DIN 11851 | 61375 |
|  | <p>Bunging apparatus (page 181)</p> <ul style="list-style-type: none"> › Bung pressure regulation ("Kellerfee") › Up to 3 bar for junction NW 25 DIN 11851 on cleaning pipe | 81457 |
|  | <p>Heating and cooling jacket (page 128)</p> <ul style="list-style-type: none"> › Double jacket A 2,9 m² with welded gland thread G 1" for connection to available warm water / cold water source › Version 1, connection position A1 › With cone double jacket 3.0 m² | 1A1 1A1 |
|  | <p>Temperature measurement (page 174)</p> <ul style="list-style-type: none"> › Bi-metal dial thermometer ø 100 mm, measuring range - 20 °C to + 60 °C › Length = 125 mm › Including welded-on sleeve for thermometer › Including adapter | TM-140F 84379 |
|  | <p>Fill level (page 172)</p> <ul style="list-style-type: none"> › Fill level indicator NW 10 DIN 11851 with litre scale › Closed version › Connection between level indicator and cleaning pipe | FS-130I VL50A |
|  | <p>Adjustable feet (page 177)</p> <ul style="list-style-type: none"> › With adjustable feet for tank legs (H= + approx. 100 mm) | 46126 |
| | <p>TÜV-fees (fees for German Technical Control Board) including technical approval and documentation</p> | TÜV-001 |

DIMENSIONS OF PRESSURE TANK FS-MO-3B-ZKG



PRESSURE TANK FD-3B-ZKG Ø 630 MM

| Capacity litres | Capacity hl | ø mm | h1 mm | H mm | h2 mm | D1 mm | Order No. |
|--------------------|----------------|---------|----------|---------|----------|----------|--------------------|
| 300 | 3.0 | 630 | 1,850 | 2,000 | 300 | 1,924 | FD-063-0300-3B-ZKG |

PRESSURE TANK FS-MO-3B-ZKG 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 | 2,119 | 2,269 | 300 | 2,260 | FS -MO-100-0800-3B -ZKG |
| 900 | 9.0 | 1,000 | 2,244 | 2,394 | 300 | 2,390 | FS -MO-100-0950-3B -ZKG |
| 1,100 | 11.0 | 1,000 | 2,494 | 2,644 | 300 | 2,640 | FS -MO-100-1100-3B -ZKG |
| 1,200 | 12.0 | 1,000 | 2,606 | 2,756 | 300 | 2,750 | FS -MO-100-1200-3B -ZKG |
| 1,500 | 15.0 | 1,000 | 2,994 | 3,144 | 300 | 2,130 | FS -MO-100-1500-3B -ZKG |
| 1,700 | 17.0 | 1,000 | 3,232 | 3,382 | 300 | 3,370 | FS -MO-100-1700-3B -ZKG |
| 1,800 | 18.0 | 1,000 | 3,406 | 3,556 | 300 | 3,540 | FS -MO-100-1800-3B -ZKG |
| 2,050 | 20.5 | 1,000 | 3,732 | 3,882 | 300 | 3,870 | FS -MO-100-2050-3B -ZKG |
| 2,250 | 22.5 | 1,000 | 3,982 | 4,132 | 300 | 4,120 | FS -MO-100-2250-3B -ZKG |

PRESSURE TANK FS-MO-3B-ZKG Ø 1,200 MM

| Capacity litres | Capacity hl | ø mm | h1 mm | H mm | h2 mm | D1 mm | Order No. |
|--------------------|----------------|---------|----------|---------|----------|----------|-------------------------|
| 1,700 | 17.0 | 1,200 | 2,807 | 2,957 | 300 | 2,960 | FS -MO-120-1700-3B -ZKG |
| 2,000 | 20.0 | 1,200 | 2,945 | 3,095 | 300 | 3,100 | FS -MO-120-2000-3B -ZKG |
| 2,500 | 25.0 | 1,200 | 3,308 | 3,458 | 300 | 3,460 | FS -MO-120-2500-3B -ZKG |
| 3,000 | 30.0 | 1,200 | 3,857 | 4,007 | 300 | 4,010 | FS -MO-120-3000-3B -ZKG |
| 3,300 | 33.0 | 1,200 | 4,183 | 4,333 | 300 | 4,330 | FS -MO-120-3300-3B -ZKG |

PRESSURE TANK FS-MO-3B-ZKG 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 | 2,885 | 3,035 | 300 | 3,040 | FS-MO-140-2400-3B-ZKG |
| 3,000 | 30.0 | 1,400 | 3,280 | 3,430 | 300 | 3,430 | FS-MO-140-3000-3B-ZKG |
| 3,600 | 36.0 | 1,400 | 3,681 | 3,831 | 300 | 3,830 | FS-MO-140-3600-3B-ZKG |
| 4,000 | 40.0 | 1,400 | 3,931 | 4,081 | 300 | 4,080 | FS-MO-140-4000-3B-ZKG |
| 4,400 | 44.0 | 1,400 | 4,181 | 4,331 | 300 | 4,330 | FS-MO-140-4400-3B-ZKG |
| 4,700 | 47.0 | 1,400 | 4,431 | 4,581 | 300 | 4,580 | FS-MO-140-4700-3B-ZKG |
| 5,500 | 55.0 | 1,400 | 4,931 | 5,081 | 300 | 5,080 | FS-MO-140-5500-3B-ZKG |

PRESSURE TANK FS-MO-3B-ZKG 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 | FS-MO-160-3500-3B-ZKG |
| 4,000 | 40.0 | 1,600 | 3,656 | 3,806 | 300 | 3,891 | FS-MO-160-4000-3B-ZKG |
| 4,500 | 45.0 | 1,600 | 3,906 | 4,056 | 300 | 4,128 | FS-MO-160-4500-3B-ZKG |
| 5,000 | 50.0 | 1,600 | 4,156 | 4,306 | 300 | 4,367 | FS-MO-160-5000-3B-ZKG |
| 5,500 | 55.0 | 1,600 | 4,406 | 4,556 | 300 | 4,607 | FS-MO-160-5500-3B-ZKG |
| 6,000 | 60.0 | 1,600 | 4,656 | 4,806 | 300 | 4,848 | FS-MO-160-6000-3B-ZKG |
| 6,500 | 65.0 | 1,600 | 4,906 | 5,056 | 300 | 5,090 | FS-MO-160-6500-3B-ZKG |
| 7,000 | 70.0 | 1,600 | 5,156 | 5,306 | 300 | 5,333 | FS-MO-160-7000-3B-ZKG |
| 7,500 | 75.0 | 1,600 | 5,406 | 5,556 | 300 | 5,576 | FS-MO-160-7500-3B-ZKG |

PRESSURE TANK FS-MO-3B-ZKG 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 | FS-MO-180-4750-3B-ZKG |
| 5,400 | 54.0 | 1,800 | 3,911 | 4,061 | 300 | 4,182 | FS-MO-180-5400-3B-ZKG |
| 6,000 | 60.0 | 1,800 | 4,161 | 4,311 | 300 | 4,418 | FS-MO-180-6000-3B-ZKG |
| 6,600 | 66.0 | 1,800 | 4,411 | 4,561 | 300 | 4,656 | FS-MO-180-6600-3B-ZKG |
| 7,200 | 72.0 | 1,800 | 4,661 | 4,811 | 300 | 4,895 | FS-MO-180-7200-3B-ZKG |
| 7,800 | 78.0 | 1,800 | 4,911 | 5,061 | 300 | 5,135 | FS-MO-180-7800-3B-ZKG |
| 8,500 | 85.0 | 1,800 | 5,161 | 5,311 | 300 | 5,376 | FS-MO-180-8500-3B-ZKG |
| 9,100 | 91.0 | 1,800 | 5,411 | 5,561 | 300 | 5,617 | FS-MO-180-9100-3B-ZKG |
| 9,700 | 97.0 | 1,800 | 5,661 | 5,811 | 300 | 5,860 | FS-MO-180-9700-3B-ZKG |

PRESSURE TANK FS-MO-3B-ZKG 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 | FS-MO-200- 6200-3B- ZKG |
| 6,900 | 69.0 | 2,000 | 4,136 | 4,286 | 300 | 4,445 | FS-MO-200- 6900-3B- ZKG |
| 7,700 | 77.0 | 2,000 | 4,286 | 4,436 | 300 | 4,585 | FS-MO-200- 7700-3B- ZKG |
| 8,500 | 85.0 | 2,000 | 4,636 | 4,786 | 300 | 4,916 | FS-MO-200- 8500-3B- ZKG |
| 9,200 | 92.0 | 2,000 | 4,886 | 5,036 | 300 | 5,154 | FS-MO-200- 9200-3B- ZKG |
| 10,000 | 100.0 | 2,000 | 5,136 | 5,286 | 300 | 5,393 | FS-MO-200-10000-3B- ZKG |
| 10,800 | 108.0 | 2,000 | 5,386 | 5,536 | 300 | 5,633 | FS-MO-200-10800-3B- ZKG |
| 11,500 | 115.0 | 2,000 | 5,636 | 5,786 | 300 | 5,873 | FS-MO-200-11500-3B- ZKG |
| 12,300 | 123.0 | 2,000 | 5,886 | 6,036 | 300 | 6,115 | FS-MO-200-12300-3B- ZKG |

PRESSURE TANK FS-MO-3B-ZKG 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 | FS-MO-220- 7800-3B- ZKG |
| 8,800 | 88.0 | 2,200 | 4,369 | 4,519 | 300 | 4,716 | FS-MO-220- 8800-3B- ZKG |
| 9,700 | 97.0 | 2,200 | 4,619 | 4,769 | 300 | 4,950 | FS-MO-220- 9700-3B- ZKG |
| 10,500 | 105.0 | 2,200 | 4,869 | 5,019 | 300 | 5,185 | FS-MO-220-10500-3B- ZKG |
| 11,500 | 115.0 | 2,200 | 5,119 | 5,269 | 300 | 5,422 | FS-MO-220-11500-3B- ZKG |
| 12,500 | 125.0 | 2,200 | 5,369 | 5,519 | 300 | 5,660 | FS-MO-220-12500-3B- ZKG |
| 14,300 | 143.0 | 2,200 | 5,869 | 6,019 | 300 | 6,138 | FS-MO-220-14300-3B- ZKG |
| 15,200 | 152.0 | 2,200 | 6,119 | 6,269 | 300 | 6,379 | FS-MO-220-15200-3B- ZKG |
| 17,200 | 172.0 | 2,200 | 6,619 | 6,769 | 300 | 6,862 | FS-MO-220-17200-3B- ZKG |
| 18,000 | 180.0 | 2,200 | 6,869 | 7,019 | 300 | 7,104 | FS-MO-220-18000-3B- ZKG |
| 20,000 | 200.0 | 2,200 | 7,369 | 7,519 | 300 | 7,591 | FS-MO-220-20000-3B- ZKG |

