

What is good for you is good for us:  
only good work gives good results



## » Mash storage tank FD-MBT

Speidel's upright mash storage tank serves for the interim storage of fruit and destemmed grape mash in between the delivery and the processing of the mash. In addition, the FD-MBT can also be used as processing tank for the treatment with enzymes of liquid fruit mashes.

The robust stirring device allows for the mash to be constantly moved and homogenised. A stainless steel remover arm with scrapers made of vulkollan ensures the automatic release. This allows the complete release of the material/content.



For storage of destemmed grape or liquid, pumpable and stoneless fruit mash

### APPLICATION RANGE (PRESSURELESS)

- |               |                       |
|---------------|-----------------------|
| › Stockpiling | Ideal for             |
| › Mixing      | › Destemmed wine mash |
| › Stirring    | › Fruit mash          |
| › Storage     | › Distilling mash     |

Further applications on request

## STANDARD EQUIPMENT FOR MASH STORAGE TANK FD-MBT

### TANK TOP

- › Up to tank- $\varnothing$  2,000 mm made of AISI 316 stainless steel, surface IIIId (2R), marbled outside
- › From tank- $\varnothing$  2,200 mm upwards made of AISI 316 stainless steel, surface IIIId (2R) / IIIc (2B)
- › Ladder safety bow, lifting lugs

### TANK SHELL

- › Made of AISI 304 stainless steel, surface IIIId (2R), marbled outside

### TANK BOTTOM

- › Up to tank- $\varnothing$  of 2,000 mm made of AISI 304 stainless steel, surface IIIId (2R), marbled outside
- › From tank- $\varnothing$  of 2,200 mm upwards made of AISI 304 stainless steel, surface IIIId (2R) / IIIc (2B)
- › Free-standing on welded-on box-shaped legs

### FILLER NECK

- › Filler neck NW 400, located in tank top with an upright forward position (tank top with bead extrusion for complete ventilation)
- › Flap lid with vent neck NW 50 Rd 78 x 1/6"

### STIRRING DEVICE / REGULATION

- › Stable stirring shaft, stirring blades for the homogenisation and release of the mash
- › Electronic control system (stainless steel control cabinet, by default arranged on right), On / Off, connection 380V, 50 Hz, IP 44
- › Stainless steel remover with scraper made of vulkollan (polyurethan) with gear motor (approx. 8 rpm), power output 3 kW up to  $\varnothing$  2,400 mm, electric connection on site
- › Stainless steel remover with scraper made of vulkollan with gear motor (approx. 8 rpm), power output 5,5 kW at  $\varnothing$  2,800 mm, electric connection on site

### MANHOLE

- › 420 x 320 mm, door with bow and hand wheel with electric fuse

### RACKING OUTLET

- › Reinforcing plate with drilled hole  $\varnothing$  48 mm (to hold flap valve Gr. 37 or weld-on thread NW 50 DIN 11851)

### MASH OUTLET

- › Welded-on neck with thread NW 125
- › Discharge height X = 420 mm



## SET-UP EXAMPLE FOR MASH STORAGE TANK FD-MBT

### Item

### Order No.



#### Mash storage tank FD-MBT-240-15500

- › h = 4,570 mm, H = 4,870 mm,
- $H_{ges} = 4,870 \text{ mm (H)} + \text{approx. } 150 \text{ mm (cleaning pipe)} + \text{approx. } 100 \text{ mm (height compensation)} = \text{approx. } 5,120 \text{ mm}$
- › Standard equipment as on page 107

FD-MBT-240-15500



#### Racking outlet (page 175)

- › With mounted flap valve Gr. 37

KA-1201



#### Mash outlet (page 175)

- › With ball valve NW 125 DIN 11851

65684



#### Automatic temperature regulation with target indicator and actual indicator (page 192)

- › Mash heating / cooling via local warm water / cold water source is automatically regulated according to target value input by the control system via magnet valve

DMS-1



#### Heating and cooling jacket (page 130)

- › Double jacket B7 9,2 m<sup>2</sup> with welded gland thread G1" for connection to available warm water / cold water source
- › Version 1, layout 33, connection position B7

1B7

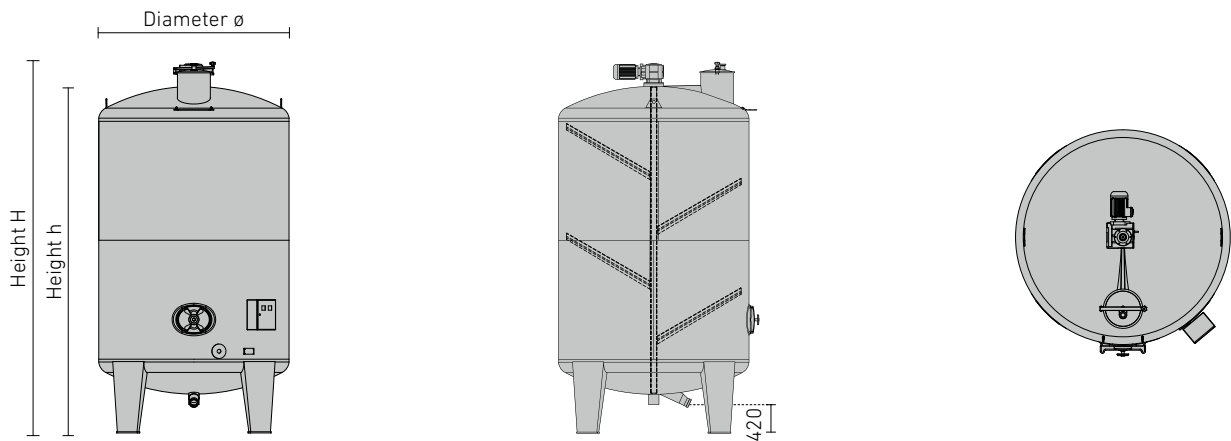


#### Adjustable feet (page 186)

- › With adjustable feet for tank legs (approx. 100 mm)

46129

**DIMENSIONS OF MASH STORAGE TANK FD-MBT**



| Capacity | ø     | h     | H     | Stirring device wing | Legs   | Order No.        |
|----------|-------|-------|-------|----------------------|--------|------------------|
| litres   | mm    | mm    | mm    | pieces               | pieces |                  |
| 5,200    | 2,000 | 2,608 | 2,948 | 2                    | 3      | FD-MBT-200 -5200 |
| 6,000    | 2,000 | 2,858 | 3,198 | 4                    | 3      | FD-MBT-200 -6000 |
| 6,700    | 2,000 | 3,096 | 3,436 | 4                    | 3      | FD-MBT-200 -6700 |
| 7,500    | 2,000 | 3,346 | 3,686 | 4                    | 3      | FD-MBT-200 -7500 |
| 8,300    | 2,000 | 3,596 | 3,936 | 4                    | 3      | FD-MBT-200 -8300 |
| 9,200    | 2,000 | 3,846 | 4,186 | 5                    | 3      | FD-MBT-200 -9200 |
| 9,800    | 2,000 | 4,096 | 4,436 | 5                    | 3      | FD-MBT-200 -9800 |
| 10,600   | 2,000 | 4,346 | 4,686 | 5                    | 3      | FD-MBT-200-10600 |
| 10,000   | 2,400 | 3,320 | 3,620 | 4                    | 4      | FD-MBT-240-10000 |
| 11,200   | 2,400 | 3,570 | 3,870 | 4                    | 4      | FD-MBT-240-11200 |
| 12,300   | 2,400 | 3,820 | 4,120 | 4                    | 4      | FD-MBT-240-12200 |
| 13,500   | 2,400 | 4,070 | 4,370 | 4                    | 4      | FD-MBT-240-13500 |
| 14,500   | 2,400 | 4,320 | 4,620 | 5                    | 4      | FD-MBT-240-14500 |
| 15,500   | 2,400 | 4,570 | 4,870 | 5                    | 4      | FD-MBT-240-15500 |
| 16,500   | 2,400 | 4,820 | 5,120 | 6                    | 4      | FD-MBT-240-16500 |
| 18,000   | 2,400 | 5,070 | 5,370 | 6                    | 4      | FD-MBT-240-18000 |
| 19,000   | 2,400 | 5,320 | 5,620 | 6                    | 4      | FD-MBT-240-19000 |
| 20,000   | 2,400 | 5,570 | 5,870 | 6                    | 4      | FD-MBT-240-20000 |
| 17,000   | 2,800 | 3,920 | 4,270 | 4                    | 4      | FD-MBT-280-17000 |
| 18,500   | 2,800 | 4,170 | 4,520 | 4                    | 4      | FD-MBT-280-18500 |
| 20,000   | 2,800 | 4,420 | 4,770 | 4                    | 4      | FD-MBT-280-20000 |
| 21,500   | 2,800 | 4,670 | 5,020 | 5                    | 4      | FD-MBT-280-21500 |
| 23,000   | 2,800 | 4,920 | 5,270 | 6                    | 4      | FD-MBT-280-23000 |
| 24,500   | 2,800 | 5,170 | 5,520 | 6                    | 4      | FD-MBT-280-24500 |
| 26,000   | 2,800 | 5,420 | 5,770 | 6                    | 4      | FD-MBT-280-26000 |
| 27,500   | 2,800 | 5,670 | 6,020 | 6                    | 4      | FD-MBT-280-27500 |
| 29,400   | 2,800 | 5,920 | 6,270 | 6                    | 4      | FD-MBT-280-29400 |

**Please note: installation space H + 500 mm for motor installation!**

**Version with conical bottom available**

