



## » Mash storage tank FD-MBT

Speidel's upright mash storage tank serves for the interim storage of fruit and 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 the storage of grape mash or liquid fruit mash

### APPLICATION RANGE (PRESSURELESS)

- › Stockage
- › Mixing
- › Stirring
- › Storage

- Ideal for
- › Fruit mash
  - › Wine mash
  - › Distilling mash

## 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 48 mm  $\varnothing$  (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



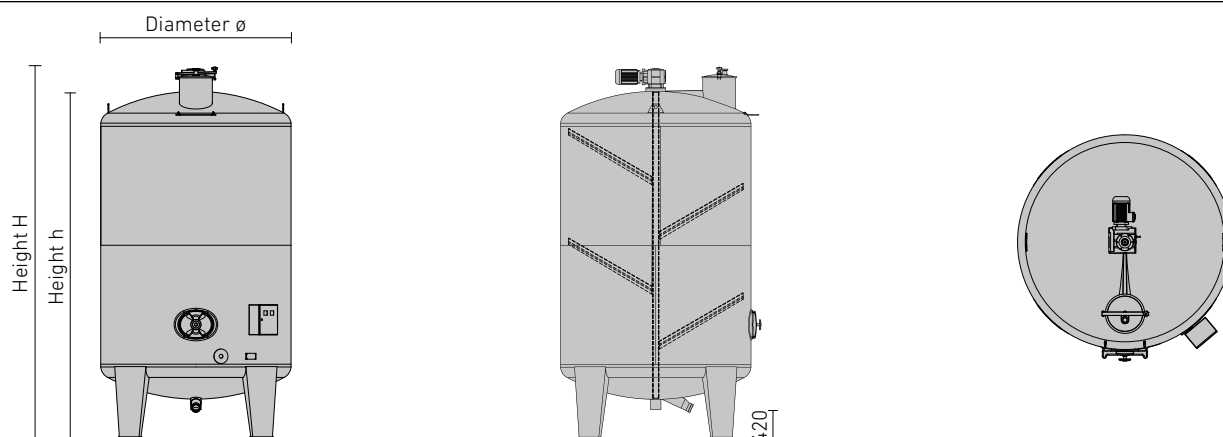
## SET-UP EXAMPLE FOR MASH STORAGE TANK FD-MBT

Item	Order No.
	<p><b>Mash storage tank FD-MBT-240-15500 litres</b></p> <p>&gt; h=4,570 mm, H=4,870mm,  <math>H_{ges} = 4,870 \text{ mm (H)} + \text{approx. } 150 \text{ mm (cleaning pipe)} + \text{approx. } 100 \text{ mm (height compensation)}</math>                      = approx. 5,120 mm</p> <p>&gt; Standard equipment as on page 77</p>
	<p><b>Racking outlet (page 135)</b></p> <p>&gt; With mounted flap valve Gr. 37</p>
	<p><b>Mash outlet (page 135)</b></p> <p>&gt; With ball valve NW 125 DIN 11851</p>
	<p><b>Automatic temperature regulation with target indicator and actual indicator (page 151)</b></p> <p>&gt; 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</p>
	<p><b>Cooling and heating jacket (page 98)</b></p> <p>&gt; Double jacket B7 11,0 m<sup>2</sup> with welded gland thread G 1" for connection to available warm water / cold water source</p> <p>&gt; Version 1, layout 33, connection position B7</p>
	<p><b>Adjustable feet (page 145)</b></p> <p>&gt; With adjustable feet for tank legs (approx. 100 mm)</p>





## 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

Version with conical bottom available

