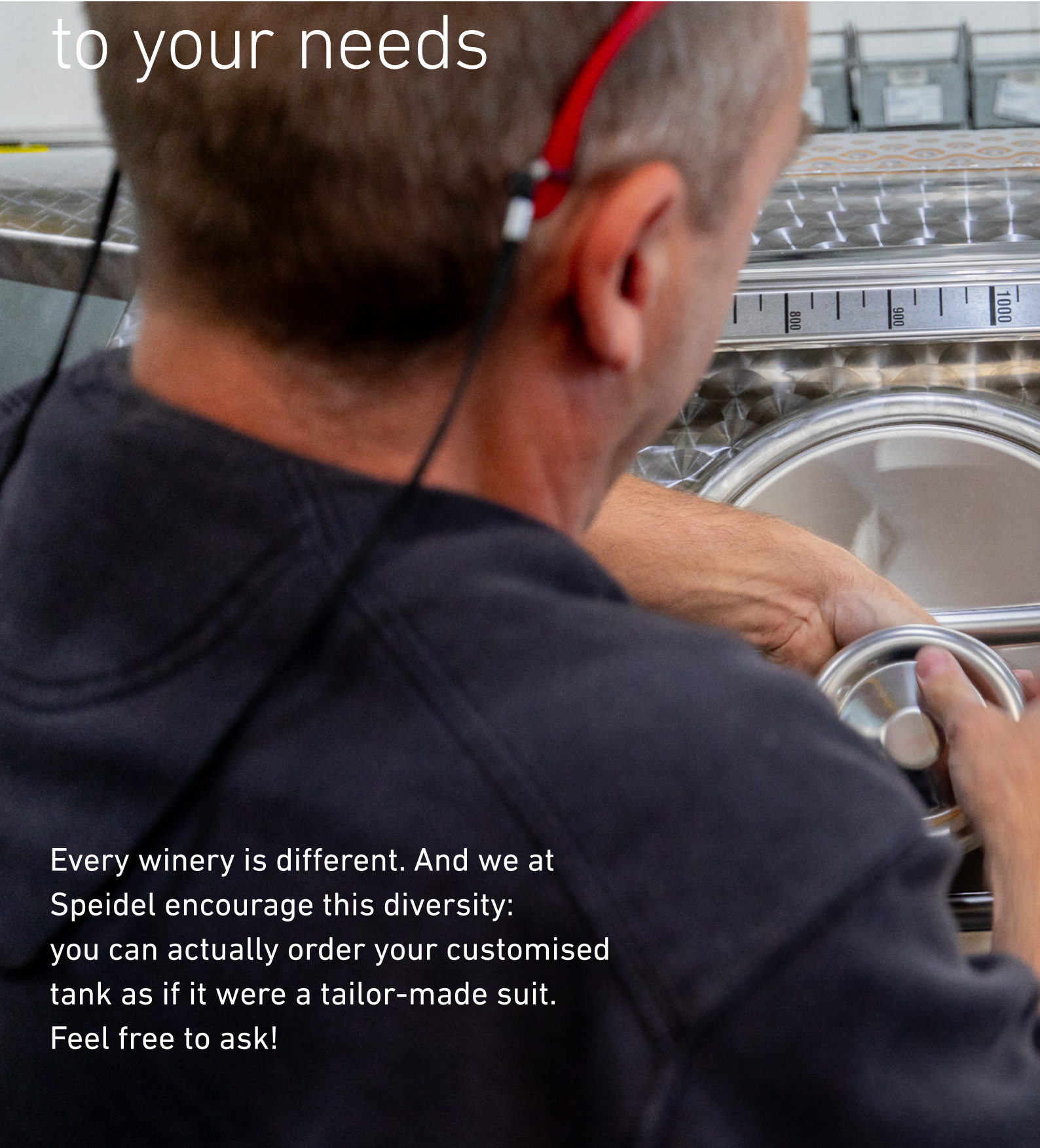


We adapt our tanks to your needs



Every winery is different. And we at Speidel encourage this diversity: you can actually order your customised tank as if it were a tailor-made suit. Feel free to ask!



Lid and crane







ACCESSORIES LID AND CRANE (SCREW-ON AND SPARE PARTS)

Item	Tank- \varnothing / Capacity		Material	Order No.	
	mm / liter			loose	mounted
Floating lid					
· BO, F01, F02, FO, (FO-M)	440		AISI 304	75420	SD-180-C
· With sealing hose (natural-coloured / transparent), air hose, air pump manometer and vent screw connection	550		AISI 304	70298	SD-180-C
	630		AISI 304	70299	SD-180-C
	820 / 530		AISI 304	70300	SD-180-C
	820 / 675		AISI 304	70301	SD-180-C
	820 / 910		AISI 304	70302	SD-180-C
	1,000 / 1,100		AISI 304	70303	SD-180-C
	1,200 / 1,600		AISI 304	70304	SD-180-C
	1,400 / 2,200		AISI 304	70305	SD-180-C
	1,400 / 3,300		AISI 304	71064	SD-180-C
	1,600 / 2,850		AISI 304	70307	SD-180-C
	1,600 / 3,850		AISI 304	71045	SD-180-C
	1,600 / 4,800		AISI 304	70310	SD-180-C
	1,600 / 5,800		AISI 304	70311	SD-180-C
	1,600 / 6,800		AISI 304	70773	SD-180-C
	1,600 / 7,700		AISI 304	70774	SD-180-C
	1,600 / 8,700		AISI 304	70775	SD-180-C
	1,600 / 9,700		AISI 304	70695	SD-180-C
	1,800 / 3,700		AISI 304	70777	SD-180-C
	1,800 / 4,900		AISI 304	70312	SD-180-C
	1,800 / 6,100		AISI 304	70778	SD-180-C
	1,800 / 7,400		AISI 304	70787	SD-180-C
	1,800 / 8,600		AISI 304	70788	SD-180-C
	1,800 / 9,800		AISI 304	70789	SD-180-C
	1,800 / 11,000		AISI 304	70790	SD-180-C
	1,800 / 12,200		AISI 304	70791	SD-180-C
	2,000 / 4,500		AISI 304	71046	SD-180-C
	2,000 / 6,000		AISI 304	71065	SD-180-C
	2,000 / 7,600		AISI 304	71039	SD-180-C
	2,000 / 9,100		AISI 304	71040	SD-180-C
	2,000 / 10,600		AISI 304	71041	SD-180-C
	2,000 / 12,200		AISI 304	71042	SD-180-C
	2,000 / 13,800		AISI 304	71043	SD-180-C
	2,000 / 15,200		AISI 304	71044	SD-180-C
	2,200 / 6,000		AISI 304	-	SD-180-C
	2,200 / 8,000		AISI 304	-	SD-180-C
	2,200 / 9,800		AISI 304	-	SD-180-C
	2,200 / 11,700		AISI 304	-	SD-180-C
	2,200 / 13,500		AISI 304	-	SD-180-C
	2,200 / 15,500		AISI 304	-	SD-180-C
	2,200 / 17,300		AISI 304	-	SD-180-C
	2,200 / 19,000		AISI 304	-	SD-180-C
	2,400 / 7,200		AISI 304	-	SD-180-C
	2,400 / 9,500		AISI 304	-	SD-180-C
	2,400 / 11,500		AISI 304	-	SD-180-C
	2,400 / 14,000		AISI 304	-	SD-180-C
	2,400 / 16,000		AISI 304	-	SD-180-C
	2,400 / 18,000		AISI 304	-	SD-180-C
	2,400 / 20,500		AISI 304	-	SD-180-C
	2,400 / 22,800		AISI 304	-	SD-180-C
	2,400 / 25,000		AISI 304	-	SD-180-C

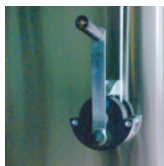
Floating lid available from \varnothing 820 mm
also in Material V4A (AISI 316)!
Surcharge to material AISI 304 on request












ACCESSORIES LID AND CRANE (SCREW-ON AND SPARE PARTS)

Item	Tank- \varnothing / Capacity mm / liter	Material	Order No.	
			loose	mounted
 Additional costs for floating lid with white sealing	440– 820	TPE	-	SD-180-I
	1,000– 1,400	TPE	-	SD-180-I
	1,600– 2,000	TPE	-	SD-180-I
	2,200– 2,400	TPE	-	SD-180-I
 Fermentation lock with bung for floating lid	350–820	plastic / rubber	21010	-
 Fermentation tube with two balls including bung, straight version for tank capacity for floating lid	1 Up to 10,000 liter	acrylic / rubber	80430	-
	2 From 10,000 liter		1,800–2,400	84873
 Crane with cable pull · Floating lid FO	1,000 / 1,100	AISI 304	70256	GA- 17FA
	1,200 / 1,600	AISI 304	70257	GA- 17GA
	1,400 / 2,200	AISI 304	70258	GA- 17HA
	1,400 / 3,300	AISI 304	71069	GA- 17HB
	1,600 / 2,850	AISI 304	70263	GA- 17IA
	1,600 / 3,850	AISI 304	70261	GA- 17IB
	1,600 / 4,800	AISI 304	71070	GA- 17IC
	1,600 / 5,800	AISI 304	70264	GA- 17ID
	1,600 / 6,800	AISI 304	71047	GA- 17IE
	1,600 / 7,700	AISI 304	71048	GA- 17IF
	1,600 / 8,700	AISI 304	71049	GA- 17IG
	1,600 / 9,700	AISI 304	71050	GA- 17IH
	1,800 / 3,700	AISI 304	71051	GA- 17KA
	1,800 / 4,900	AISI 304	70265	GA- 17KB
	1,800 / 6,100	AISI 304	71052	GA- 17KC
	1,800 / 7,400	AISI 304	71058	GA- 17KD
	1,800 / 8,600	AISI 304	71059	GA- 17KE
	1,800 / 9,800	AISI 304	71053	GA- 17KF
	1,800 / 11,000	AISI 304	71054	GA- 17KG
	1,800 / 12,200	AISI 304	71055	GA- 17KH
 · Complete with effort-saving pulley for easy lifting of the floating lid · With plain bearing for easy turning and comfortable handling	2,000 / 4,500	AISI 304	71056	GA- 17LA
	2,000 / 6,000	AISI 304	71057	GA- 17LB
	2,000 / 7,600	AISI 304	71020	GA- 17LC
	2,000 / 9,100	AISI 304	71021	GA- 17LD
	2,000 / 10,600	AISI 304	71022	GA- 17LE
	2,000 / 12,200	AISI 304	71023	GA- 17LF
	2,000 / 13,800	AISI 304	71024	GA- 17LG
	2,000 / 15,200	AISI 304	71025	GA- 17LH
 Rope clamp for braided string of the crane	1,000–2,400	AISI 304 plastic	-	GA- 180S

ACCESSORIES LID AND CRANE (SCREW-ON AND SPARE PARTS)



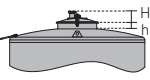
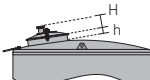
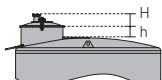
Item	Tank-ø / Capacity mm / liter	Material	Order No.	
			loose	mounted
 Crane with cable pull and hand winch · Floating lid FO	1,400 / 2,200	AISI 304	76957	GA- 17MI
	1,400 / 3,300	AISI 304	75045	GA- 17MJ
	1,600 / 2,850	AISI 304	71071	GA- 17MA
	1,600 / 3,850	AISI 304	71072	GA- 17MB
	1,600 / 4,800	AISI 304	71073	GA- 17MC
	1,600 / 5,800	AISI 304	71074	GA- 17MD
	1,600 / 6,800	AISI 304	71075	GA- 17ME
	1,600 / 7,700	AISI 304	71076	GA- 17MF
	1,600 / 8,700	AISI 304	71077	GA- 17MG
	1,600 / 9,700	AISI 304	71078	GA- 17MH
	1,800 / 3,700	AISI 304	71079	GA- 17NA
	1,800 / 4,900	AISI 304	71080	GA- 17NB
	1,800 / 6,100	AISI 304	71081	GA- 17NC
	1,800 / 7,400	AISI 304	71082	GA- 17ND
	1,800 / 8,600	AISI 304	71083	GA- 17NE
	1,800 / 9,800	AISI 304	71084	GA- 17NF
	1,800 / 11,000	AISI 304	71085	GA- 17NG
	1,800 / 12,200	AISI 304	71086	GA- 17NH
	2,000 / 4,500	AISI 304	71087	GA- 170A
	2,000 / 6,000	AISI 304	71088	GA- 170B
	2,000 / 7,600	AISI 304	71089	GA- 170C
	2,000 / 9,100	AISI 304	71090	GA- 170D
	2,000 / 10,600	AISI 304	71091	GA- 170E
	2,000 / 12,200	AISI 304	71092	GA- 170F
	2,000 / 13,800	AISI 304	71093	GA- 170G
	2,000 / 15,200	AISI 304	71094	GA- 170H
	2,200 / 6,000	AISI 304	-	GA- 17PA
	2,200 / 8,000	AISI 304	-	GA- 17PB
	2,200 / 9,800	AISI 304	-	GA- 17PC
	2,200 / 11,700	AISI 304	-	GA- 17PD
	2,200 / 13,500	AISI 304	-	GA- 17PE
	2,200 / 15,500	AISI 304	-	GA- 17PF
2,200 / 17,300	AISI 304	-	GA- 17PG	
2,200 / 19,000	AISI 304	-	GA- 17PH	
2,400 / 7,200	AISI 304	-	GA- 170I	
2,400 / 9,500	AISI 304	-	GA- 170J	
2,400 / 11,500	AISI 304	-	GA- 170K	
2,400 / 14,000	AISI 304	-	GA- 170L	
2,400 / 16,000	AISI 304	-	GA- 170M	
2,400 / 18,000	AISI 304	-	GA- 170N	
2,400 / 20,500	AISI 304	-	GA- 170O	
2,400 / 22,800	AISI 304	-	GA- 170P	
2,400 / 25,000	AISI 304	-	GA- 170Q	
 Dust lid · FO, BO, SO-Z, KO, RO-Z	440	AISI 304	95247	-
	550	AISI 304	92375	-
	630	AISI 304	70325	-
	820	AISI 304	70326	-
	1,000	AISI 304	70327	-
	1,200	AISI 304	70328	-
	1,400	AISI 304	68962	-

ACCESSORIES LID AND CRANE (SCREW-ON AND SPARE PARTS)

Item	Tank- \varnothing mm	Material	Order No.		
			loose	mounted	
 Sack support · BO, F01/F02, FO, SO-Z, RO-Z, KO 1 For Tank 530 liter 2 For Tank 750 liter 3 For Tank 1,000 liter 4 For Tank 1,400 ltr. / 2,200 ltr.	820	1,4301	70319	-	
	1,000	1,4301	70320	-	
	1,200	1,4301	70321	-	
	1,400 / 2,200	1,4301	84161	-	
 For floating lid · BO, F01, F02, FO, FO-M Sealing hose white (with sleeve + O-ring)	440	-	95774-01	-	
	550	-	95775-01	-	
	630	-	95776-01	-	
	820	-	95777-01	-	
	1,000	-	95778-01	-	
	1,200	-	95779-01	-	
	1,400	-	95780-01	-	
	1,600	-	95781-01	-	
	1,800	-	95782-01	-	
	2,000	-	95783-01	-	
	2,200	-	95784-01	-	
	2,400	-	95785-01	-	
	 Sealing hose transparent	440		75422	
		550		63381	
630			63382		
820		-	63383	-	
1,000		-	63384	-	
1,200		-	63385	-	
1,400		-	63386	-	
1,600		-	63387	-	
1,800		-	64882	-	
2,000		-	64265	-	
2,200		-	83982	-	
2,400	-	83258	-		
 Air pump for hanging	-	-	63388	-	
 Air pump for hanging, completely made of stainless steel	-	-	82028	-	
Angle holder for pump to be screwed-on	-	-	73500	-	
Sealing kit for air pump	-	-	45554	-	
 Vent connection orange for floating lid (up to \varnothing 820 mm)	-	-	63865	-	
 Sealing cap, orange	-	-	21015	-	
 Vent connection black incl. sealing for floating lid (up to \varnothing 1.000 mm)	-	-	66224-01	-	
 Ladder bracket For FO tanks and closed tanks with a tank height of less than 2,000 mm	1,000–2,000	1,4301	-	LB070C	

Ventilation

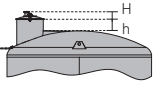


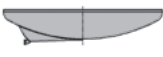


ACCESSORIES VENTILATION (WELD-ON PIECES)

Item	Tank- \varnothing mm	Material	Order No. loose	Order No. mounted
For dome lid · BD, FD				
				
Stainless steel vent connection in lid · Instead of drilled hole \varnothing 38 mm with plastic blank cap				
1 AGG 1 1/2" (BSP) with sealing cap	440-820	AISI 304	-	OB-041D
2 Clamp 1 1/2"	440-820	AISI 304	-	OB-041M
Instead of filling and vent connection external thread NW50 Rd 78 x 1/6" · FS-MO, AS-MO, MS-MO, RS-MO, RA-MO				
				
Filling and vent connection				
1 External thread NW 65 Rd 95 x 1/6"	820-3.600	AISI 316	-	ES-080H
2 External thread 40 Macon	820-3.600	AISI 316	-	ES-080D
3 Additional external thread 70 Macon	820-3.600	AISI 316	-	ES-080C
4 Clamp 2"	820-3.600	AISI 316	-	ES-080L
Dome "pressureless"				
				
Pay attention for sufficient space / height for the opening and handling of the domes. · Tank top without moulded channel · Flap lid with NW 50, external thread Rd 78 x 1/6"				
1 NW 400, h = 65 mm, H = approx. 195 mm	820-3.600	AISI 316	-	OB-040L
2 NW 400, h = 200 mm, H = approx. 330 mm	820-3.600	AISI 316	-	OB-040R
3 NW 600, h = 100 mm, H = approx. 230 mm	1.000-3.600	AISI 316	-	OB-040Z
4 NW 600, h = 200 mm, H = approx. 330 mm	1.000-3.600	AISI 316	-	OB-041F
5 NW 800, h = 105 mm, H = approx. 160 mm (with filler neck protection)	1.400-3.600	AISI 316	-	OB-041A
6 NW 1.000, h = 200 mm, H = approx. 300 mm (with filler neck protection)	1.600-3.600	AISI 316	-	OB-041H
				
Filler neck located in the centre of the tank top · Tank top without moulded channel · Flap lid with NW 50, external thread Rd 78 x 1/6"				
1 NW 200, h = 85 mm, H = approx. 185 mm	1.000-1.400	AISI 316	-	OB-040X
2 NW 400, h = 65 mm, H = approx. 165 mm	1.000-3.600	AISI 316	-	OB-040F
3 NW 600, h = 100 mm, H = approx. 230 mm	1.000-3.600	AISI 316	-	OB-040Y
				
Filler neck located in the tank top in a forward upright position · Tank top with moulded channel for complete deaeration · Flap lid with NW 50, external thread Rd 78 x 1/6"				
1 NW 200, h = approx. 150 mm, H = approx. 270 mm	1.000-2.000 Rectangular tanks	AISI 316	-	OB-041B
2 NW 400, h = approx. 150 mm, H = approx. 270 mm	do.	AISI 316	-	OB-0400
3 NW 600, h = approx. 150 mm, H = approx. 270 mm	1.400-2.000 Rectangular tanks	AISI 316	-	OB-041C





Pay attention for sufficient space / height for the opening and handling of the domes.

Filling domes in IIId (2R) surface,
Sealing: silicone






ACCESSORIES VENTILATION (WELD-ON PIECES)

	Item	Tank- \emptyset mm	Material	Order No.	
				loose	mounted
	Filler neck located in the tank top in a forward upright position, with vent channel · Tank top with weld-on vent · Flap lid with NW50, external thread Rd 78 x 1/6" NW400, h = approx. 200 mm, H = approx. 320 mm	2,200–3,600	AISI 316	-	OB-040T
	Filler neck in flap lid instead of NW50 Rd 78 x 1/6" 1 Connection external thread 40 Macon 2 Clamp 2"	820–3,600 820–3,600	AISI 316 AISI 316	- -	ES -080D ES -080L
	Vent outlet · With filling and vent connection NW50 Rd 78 x 1/6"	2,200–3,600	AISI 316	-	OB -040U
	Drain outlet · With drain outlet elbow NW50 DIN 11851	2,200–3,600	AISI 304	-	RA-151H
	L-Dome · NW200 · NW400	1,000–3,000 1,000–3,000	AISI 316 AISI 316	- -	OB -041J OB -041K
	Whirl breaker	-	AISI 304	-	RA-141I

ACCESSORIES VENTILATION (SCREW-ON AND SPARE PARTS)

	Item	Tank- \emptyset mm	Material	Order No.	
				loose	mounted
	For dome lid · BD, FD				
	Complete replacement lid · New version with inner bracket closing · With drilled hole \emptyset 38 mm and plastic blank cap to hold the fermentation lock with bung	440–820	-	75555	-
	For lid UF				
	Lid without venting screw connection, clamping ring and ball knob 1 \emptyset 280 mm 2 \emptyset 350 mm 3 \emptyset 440 mm	- - -	- - -	95494 95495 95496	- - -
	Clamping ring for UF lid 1 \emptyset 280 mm 2 \emptyset 350 mm 3 \emptyset 440 mm	- - -	- - -	91856 76691 76692	- - -
	Fermentation lock with bung	440–820	plastic, rubber	21010	-


ACCESSORIES VENTILATION (SCREW-ON AND SPARE PARTS)

Item	Tank- \emptyset mm	Material	Order No.		
			loose	mounted	
To filling and vent connection external thread NW50 Rd 78 x 1/6" · FS-MO, AS-MO, MS-MO, RS-MO, RA-MO					
	Fermentation tube with two compartments including bung, straight version				
1 For tank capacity up to 10,000 liter	550-2,000	acrylic /	80430	-	
2 For tank capacity from 10,000 liter upwards	2,200-3,600	rubber	84873	-	
	Fermentation tube with two compartments including bung, inclined version				
1 For tank capacity up to 10,000 liter	820-2,000	acrylic /	70371	-	
2 For tank capacity from 10,000 liter upwards	2,200-3,600	rubber	84874	-	
	Pressure compensating valve (spring-loaded) NW50 DIN 11851				
	820-3,600	plastic	60911	-	
	Feed hopper				
	820-3,600	plastic	46950	-	
To dome / lid · BD, FD, UF, FS-MO, AS-MO, MS-MO, RS-MO, RA-MO					
Seals					
	1 Sealing for dome lid BD / FD: old version (for gluing)*	-	EPDM	60094	-
	2 Sealing for dome lid BD / FD: new version	-	Silicone	74914	-
	3 For clamping ring lid UF	280	Silicone	91859	-
	4 For clamping ring lid UF	350	Silicone	76685	-
	5 For clamping ring lid UF	440	Silicone	76686	-
	6 Sealing for filler neck NW200 (standard)	-	Silicone	87852	-
	7 Sealing for filler neck NW400 (standard)	-	Silicone	87750	-
	8 Sealing for filler neck NW600 (standard)	-	Silicone	87857	-
	9 Sealing for filler neck NW200	-	EPDM	87850	-
	10 Sealing for filler neck NW400	-	EPDM	86386	-
	11 Sealing for filler neck NW600	-	EPDM	87976	-


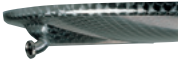



* Glue can be found on page 187.

Racking outlet and bottom outlet













ACCESSORIES RACKING OUTLET AND BOTTOM OUTLET (WELD-ON PIECES)

Item	Tank- \emptyset mm	Material	Order No.	
			loose	mounted
Instead of racking outlet internal thread 3/4" · BO, BD, FD				
	Weld-on bow with connection			
1 NW 25 DIN 11851	440-550	AISI304	-	KA- 121R
2 NW 40 DIN 11851	440-550	AISI304	-	KA- 121S
3 Clamp 1 1/2" DN(40)	440-550	AISI304	-	KA- 121T
4 RJT 1 1/2"	440-550	AISI304	-	KA- 121U
Instead of racking outlet external thread 1" · BO, BD, FD				
Weld-on bow with connection				
1 NW 25 DIN 11851	630-1.200	AISI304	-	KA- 121V
2 NW 40 DIN 11851	630-1.200	AISI304	-	KA- 121W
3 Clamp 1 1/2" DN(40)	630-1.200	AISI304	-	KA- 121X
4 RJT 1 1/2"	630-1.200	AISI304	-	KA- 121Y







ACCESSORIES RACKING OUTLET AND BOTTOM OUTLET (WELD-ON PIECES)

Item	Tank- \emptyset mm	Material	Order No. loose	Order No. mounted
To racking outlet drilled hole 48 mm · FO, FS-MO, AS-MO, MS-MO, RS-MO, RA-MO, FO-M, FD-MT, FD-IT, FD-MÜ, FD-DF, FD-MK, FD-MKEH				
 Weld-on gland with thread				
1 NW 40 DIN 11851	630-820	AISI 304	-	KA -120C
2 NW 50 DIN 11851	630-3,600	AISI 304	-	KA -120D
3 NW 65 DIN 11851	820-3,600	AISI 304	-	KA -120L
4 NW 80 DIN 11851	1,000-3,600	AISI 304	-	KA -121C
5 NW 100 DIN 11851	1,000-3,600	AISI 304	-	KA -120X
6 NW 125 DIN 11851	1,000-3,600	AISI 304	-	KA -120Y
7 Clamp 1 1/2" DN(40)	820-3,600	AISI 304	-	KA -120Z
8 Clamp 2" DN(50)	820-3,600	AISI 304	-	KA -121D
9 Clamp 3" DN(65)	820-3,600	AISI 304	-	KA -121F
10 NW 50 with flange 100x100	820-3,600	AISI 304	-	KA -120E
11 RJT 1 1/2"	820-3,600	AISI 304	-	KA -121J
12 RJT 2"	820-3,600	AISI 304	-	KA -121K
 Instead of bottom outlet internal thread 3/4" · FD				
Weld-on bow with connection				
1 NW 25 DIN 11851	440-550	AISI 304	-	RA -150B
2 NW 40 DIN 11851	440-550	AISI 304	-	RA -150A
3 Clamp 1 1/2" DN(40)	440-550	AISI 304	-	RA -151B
4 RJT 1 1/2"	440-550	AISI 304	-	RA -151 I
 Instead of bottom outlet external thread 1" · FD				
Weld-on bow with connection				
1 NW 25 DIN 11851	630-820	AISI 304	-	RA -150B
2 NW 40 DIN 11851	630-820	AISI 304	-	RA -150A
3 Clamp 1 1/2" DN(40)	630-820	AISI 304	-	RA -151B
4 RJT 1 1/2"	630-820	AISI 304	-	RA -151 I
 Instead of bottom outlet external thread NW40 DIN 11851 · FO2, FO, FS-MO, AS-MO				
Weld-on bow				
1 NW 50 DIN 11851	630-820	AISI 304	-	RA -150B
2 NW 65 DIN 11851	820	AISI 304	-	RA -150G
3 NW 50 with flange 100x100	820	AISI 304	-	RA -150C
4 Clamp 1 1/2" DN(40)	630-820	AISI 304	-	RA -151B
5 Clamp 2" DN(50)	630-820	AISI 304	-	RA -151C
6 RJT 1 1/2"	820-3,600	AISI 304	-	RA -151 I
7 RJT 2"	820-3,600	AISI 304	-	RA -151J
 Instead of bottom outlet external thread NW 50 DIN 11851 · FO, FS-MO, AS-MO, MS-MO, RS-MO, RA-MO, FO-M				
Weld-on bow with connection				
1 NW 40 DIN 11851	820-3,600	AISI 304	-	RA -150A
2 NW 65 DIN 11851	820-3,600	AISI 304	-	RA -150G
3 NW 80 DIN 11851	1,000-3,600	AISI 304	-	RA -150X
4 NW 100 DIN 11851	1,000-3,600	AISI 304	-	RA -150Y
5 MG 90	1,000-3,600	AISI 304	-	RA -150Z
6 NW 50 with flange 100x100	820-3,600	AISI 304	-	RA -150C
7 Clamp 1 1/2" DN(40)	820-3,600	AISI 304	-	RA -151B
8 Clamp 2" DN(50)	820-3,600	AISI 304	-	RA -151C
9 Clamp 3" DN(65)	820-3,600	AISI 304	-	RA -151D
10 Macon 40	820-3,600	AISI 304	-	RA -150 I
11 RJT 1 1/2"	820-3,600	AISI 304	-	RA -151L
12 RJT 2"	820-3,600	AISI 304	-	RA -151O







ACCESSORIES RACKING OUTLET AND BOTTOM OUTLET (SCREW-ON AND SPARE PARTS)

Item	Tank- \emptyset mm	Material	Order No.				
			loose	mounted			
Instead of total juice outlet external thread NW65 DIN 11851 · FD-MT, FD-IT, FD-MÜ, FD-DF, FD-MK, FD-MKEH							
	Weld-on bow with connection						
	1 NW80 DIN 11851	-	AISI 304	-	RA-150X		
	2 NW 100 DIN 11851	-	AISI 304	-	RA-150Y		
	3 NW 125 DIN 11851	-	AISI 304	-	RA-150W		
	4 MG 90	-	AISI 304	-	RA-150Z		
	5 Clamp 1 1/2" DN(40)	-	AISI 304	-	RA-151B		
	6 Clamp 2" DN(50)	-	AISI 304	-	RA-151C		
Taps etc. G 3/4" · BO, F01, F02, UF, BD, FD							
	Drain valve G 3/4" (BSP) with counter nut	350–550	AISI 304	65276	-		
		Drain valve G 3/4" (BSP)	350–550	red brass chrome-plated	65079	-	
			Ball valve AG / AG G 3/4" (BSP)	350–550	AISI 304	75104	-
			Drain valve G 3/4" (BSP)	350–550	plastic	21013	-
			Blank bung G 3/4" (not shown)	350–550	plastic	60068	-
Taps etc. G 1" · BD, FD, BO, F01							
	Sealing cap G 1" (BSP)	630–820	AISI 304	64938	-		
		Drain valve with cap nut G 1" (BSP)	630–820	AISI 304	65277	-	
			Ball valve AGG 1" (BSP)	630–820	AISI 304	64939	-
			Outlet elbow 90° with cap nut G 1" (BSP)	630–820	plastic	64852	-
			Taps etc. G 1 1/4" · BD, FD, BO, F01				
	Ball valve outlet AG G 1 1/4" (BSP)	630–820	AISI 304	64940	-		
		Ball valve outlet IG G 1 1/4" (BSP)	630–820	AISI 304	64941	-	
		Sealing cap G 1 1/4" (BSP)	630–820	AISI 304	64960	-	
Taps etc. G 2 1/2"							
	Sealing cap G 2 1/2" (BSP)	-	AISI 304	63921	-		
		Ball valve NW 65 IGG 2 1/2" (BSP)	-	Ms-tin-coated	64944	-	

ACCESSORIES RACKING OUTLET AND BOTTOM OUTLET (SCREW-ON AND SPARE PARTS)


Item	Tank- \emptyset mm	Material	Order No. loose	Order No. mounted	
To Racking outlet thread and bottom outlet thread · FO, F02, FS-M0, AS-M0, MS-M0, RS-M0, RA-M0					
Sealing cap					
	1 NW 25 DIN 11851	630-3.000	AISI 304	76493	-
	2 NW 40 DIN 11851	630-3.000	AISI 304	62982	-
	3 NW 50 DIN 11851	1.000-3.000	AISI 304	62983	-
	4 NW 65 DIN 11851	1.000-3.000	AISI 304	65475	-
	5 Gr. 37 W 47 x 1/9"	-	AISI 304	63969	-
	6 Macon 40	-	AISI 304	68380	-
	7 G 1 1/4"	-	AISI 304	64960	-
	8 G 3/4"	630-3.000	AISI 304	64524	-
Disc valve NW 40 with end-position locking and sealing caps with chain					
	1 Outlet NW 40 DIN 11851	630-820	AISI 304	61375	-
	2 Outlet WKN	630-820	AISI 304	61376	-
	3 Outlet Mzr. 32	630-820	AISI 304	61377	-
	4 Outlet Pfälzer 38	630-820	AISI 304	63008	-
Disc valve NW 50 with end-position locking and sealing caps with chain					
	1 Outlet NW 40 DIN 11851	1.000-3.600	AISI 304	64948	-
	2 Outlet NW 50 DIN 11851	1.000-3.600	AISI 304	64945	-
	3 Outlet WKN	1.000-3.600	AISI 304	64946	-
	4 Outlet Mzr. 32	1.000-3.600	AISI 304	63109	-
	5 Outlet Pfälzer 38	1.000-3.600	AISI 304	64947	-
Disc valve with end-position locking and sealing caps with chain					
	1 NW 25 DIN 11851	630-3.600	AISI 304	66417	-
	2 NW 32 DIN 11851	630-3.600	AISI 304	66418	-
	3 NW 65 DIN 11851	630-3.600	AISI 304	66235	-
	4 NW 80 DIN 11851	1.000-3.600	AISI 304	72747	-
	5 RJT 1 1/2"	1.000-3.600	AISI 304	84908	-
	6 RJT 2"	1.000-3.600	AISI 304	84909	-
Disc valve clamp with end-position locking and stainless steel pincer grip					
	1 Clamp 1 1/2" DN(40)	550-3.600	AISI 304	79567	-
	2 Clamp 2" DN(50)	550-3.600	AISI 304	79568	-
Bevel seat valve with sealing cap and chain					
	1 NW 40 DIN 11851	1.000-1.600	AISI 304	81606	-
	2 NW 50 DIN 11851	1.000-1.600	AISI 304	80738	-

ACCESSORIES RACKING OUTLET AND BOTTOM OUTLET (SCREW-ON AND SPARE PARTS)



Item	Tank- \emptyset mm	Material	Order No.	
			loose	mounted
				
Ball valves with sealing cap with chain				
· Cap nut on tank side / outlet AG				
1 NW 25 DIN 11851	-	AISI 304	66420	-
2 NW 32 DIN 11851	-	AISI 304	66421	-
3 NW 40 DIN 11851	-	AISI 304	65797	-
4 NW 50 DIN 11851	-	AISI 304	65158	-
5 NW 65 DIN 11851	-	AISI 304	65159	-
6 NW 80 DIN 11851	-	AISI 304	66413	-
7 NW 100 DIN 11851	-	AISI 304	66414	-
8 NW 125 DIN 11851	-	AISI 304	65684	-
9 MG 90	-	AISI 304	65539	-
10 Clamp 1 1/2" DN(40)	-	AISI 304	79571	-
11 Clamp 2" DN(50)	-	AISI 304	79572	-
12 RJT 1 1/2"	-	AISI 304	84914	-
13 RJT 2"	-	AISI 304	84915	-
Ball valve NW 40 DIN 11851				
1 Outlet 4/4" S	630-820	AISI 304	86583	-
2 Outlet 5/4" WG	630-820	AISI 304	81790	-
3 Outlet 6/4" WG	630-820	AISI 304	86390	-
Ball valve NW 50 DIN 11851				
1 Outlet 4/4" S	630-820	AISI 304	86584	-
2 Outlet 5/4" WG	630-820	AISI 304	79309	-
3 Outlet 6/4" WG	630-820	AISI 304	86391	-
Swivel armature (without sight glass)				
· Racking outlet nozzle NW50/NW65 required				
· For additional Racking outlet (please see page 176)				
1 On tank side DN 50 Outlet DN 40	1.000-3,600	AISI 304	92769	KA-122A
2 On tank side DN 50 Outlet DN 50	1.000-3,600	AISI 304	92770	KA-122B
3 Tankside DN 65 Outlet DN 50	1.000-3,600	AISI 304	92771	KA-122C
				
Sight glass (with safety grid)				
1 DN 40	1.000-3,600	AISI 304	84151	-
2 DN 50	1.000-3,600	AISI 304	84140	-
				
To Racking outlet drilled hole 48 mm				
· FO, FS-MO, AS-MO, MS-MO, RS-MO, RA-MO				
Flap valve Gr. 37	630-3,600	AISI 304	60802	KA-120I
				
To Racking outlet drilled hole 53 mm (optionals)				
Angled flap valve Gr. 37	630-3,600	AISI 304	81746	KA-121I
				
Racking valve for flap valve Gr. 37				
1 Outlet NW 40 DIN 11851	630-3,600	AISI 304	64955	-
2 Outlet NW 50 DIN 11851	630-3,600	AISI 304	64954	-
				

Sampling

ACCESSORIES SAMPLING (WELD-ON PIECES)

Item	Tank- \varnothing mm	Material	Order No.	Order No.	
			loose	mounted	
 To sampling · FO, F01, F02 <hr/> Weld-on thread					
	1 NW 10 DIN 11851	630–2,000	AISI 304	-	PE-100A
	2 NW 20 DIN 11851	630–2,000	AISI 304	-	PE-100E

ACCESSORIES SAMPLING (SCREW-ON AND SPARE PARTS)

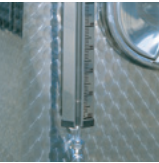
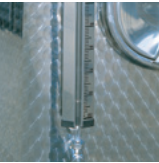

Item	Tank- \varnothing mm	Material	Order No.	Order No.	
			loose	mounted	
 To Sampling · FO, F01, F02, FS-M0, AS-M0, MS-M0, RS-M0, RA-M0 <hr/> Sampling tap with cap nut					
	1 NW 10 DIN 11851	630–2,000	AISI 304	64949	-
	2 NW 20 DIN 11851	630–2,000	AISI 304	65583	-
	Sealing kit				
	1 For sampling tap NW 10 / 1/2"	-	-	45506	-
2 For sampling tap NW 20	-	-	84712	-	
 To sampling · FS-M0-8B <hr/> Sampling tap with cap nut					
	NW 20 DIN 11851	1,000–1,600	AISI 304	79362	-

Fill level indication

ACCESSORIES FILL LEVEL INDICATION (WELD-ON PIECES)

Item	Tank-ø	Material	Order No.	Order No.
	mm		loose	mounted
 To fill level · FO, F02				
	630–2,000	AISI 304	-	FS-130A

ACCESSORIES FILL LEVEL INDICATION (SCREW-ON AND SPARE PARTS)

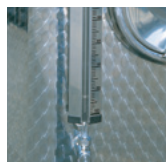
Item	Tank-ø	Material	Order No.	Order No.	
	mm		loose	mounted	
 To fill level · FO, F01, F02					
 Fill level indicator NW 10 · Weld-on thread NW 10 and fastening points · Connection valve NW 10 DIN 11851 · Acrylic glass clear-view pipe NW 10 · Stainless steel protection strip with liter scale	1 Up to 999 liter tank capacity	550– 820	AISI 304	-	FS -130G
	2 Up to 4,999 liter tank capacity	1,000–2,000	AISI 304	-	FS -130H
	3 Up to 10,000 liter tank capacity	1,600–2,000	AISI 304	-	FS -130I
	4 Up to 15,200 liter tank capacity	1,800–2,000	AISI 304	-	FS -130K
	5 Up to 999 liter tank capacity	550– 820	AISI 304	FSA*	-
	6 Up to 4,999 liter tank capacity	1,000–2,000	AISI 304	FSA*	-
	7 Up to 10,000 liter tank capacity	1,600–2,000	AISI 304	FSA*	-
	8 Up to 15,200 liter tank capacity	1,800–2,000	AISI 304	FSA*	-
	*When ordering fill level indicators loose without tank, please include the order no. each tank type and content				
 Fill level indicator NW 20 · Weld-on thread NW 20 and fastening points · Connection valve NW 20 DIN 11851 · Acrylic glass clear-view pipe NW 20 · Stainless steel protection strip with liter scale	1 Up to 4,999 liter tank capacity	1,000–1,800	AISI 304	-	FS-130R
	2 Up to 10,000 liter tank capacity	1,600–2,000	AISI 304	-	FS-130W
	3 Up to 15,200 liter tank capacity	1,800–2,000	AISI 304	-	FS-130X
	Sealing kit for connection valve				
	1 NW 10 / G 1/2"	-	-	45504	-
	2 NW 20	-	-	84713	-
Connction valve					
	1 NW 10	-	-	64065	-
	2 G 1/2"	-	-	63190	-
Drain nut for connection valve					
		-	-	81614	-

ACCESSORIES LEVEL INDICATION (SCREW-ON AND SPARE PARTS)

Item	Tank- \emptyset mm	Material	Order No. loose	Order No. mounted
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To fill level

· FS-MO, AS-MO, MS-MO, RS-MO, RA-MO,
RS-MO-Q, RA-MO-Q

**Fill level indicator NW 10**

· Weld-on thread NW 10 and fastening points
· Sight glass valve NW 10 DIN 11851
· Acrylic glass clear-view pipe NW 10
· Stainless steel protection strip
with liter scale

1	Up to 999 liter tank capacity	820–1,000	AISI 304	FSA*	FS -130G
2	Up to 4,999 liter tank capacity	820–2,000	AISI 304	FSA*	FS -130H
3	Up to 10,000 liter tank capacity	1,400–1,600	AISI 304	FSA*	FS -130I
4	Up to 20,000 liter tank capacity	1,800–3,600	AISI 304	FSA*	FS -130K
5	Up to 50,000 liter tank capacity	2,000–3,600	AISI 304	FSA*	FS -130P
6	Up to 100,000 liter tank capacity	2,000–3,600	AISI 304	FSA*	FS -131Z

* When ordering a fill level indicator "loose" please also mention the type of tank and the tank's capacity along with the order no.

**Fill level indicator NW 20**

· Weld-on thread NW 20 and fastening points
· Sight glass valve NW 20 DIN 11851
· Acrylic glass clear-view pipe NW 20
· Stainless steel protection strip
with liter scale

1	Up to 999 liter tank capacity	820–1,000	AISI 304	-	FS -130S
2	Up to 4,999 liter tank capacity	820–2,000	AISI 304	-	FS -130R
3	Up to 10,000 liter tank capacity	1,400–2,600	AISI 304	-	FS -130W
4	Up to 20,000 liter tank capacity	1,800–3,600	AISI 304	-	FS -130X
5	Up to 50,000 liter tank capacity	2,000–3,600	AISI 304	-	FS -130U
6	Up to 100,000 liter tank capacity	2,000–3,600	AISI 304	-	FS -130Z

Fill level indicator NW 20

· Calibratable* with mm scale and type plate

1	Up to 999 liter tank capacity	820–1,000	AISI 304	-	FS -130L
2	Up to 4,999 liter tank capacity	820–2,000	AISI 304	-	FS -130M
3	Up to 10,000 liter tank capacity	1,400–2,600	AISI 304	-	FS -130N
4	Up to 20,000 liter tank capacity	1,800–3,600	AISI 304	-	FS -130O
5	Up to 33,000 liter tank capacity	2,000–3,600	AISI 304	-	FS -130Q

* Note the information regarding additional costs for tanks with a level indicator that can be calibrated on page 195

Macrolon tube for fill level indicator NW 10 (surcharge)

1	Up to 999 liter tank capacity	820–1,000	macrolon	-	MCR-101
2	Up to 4,999 liter tank capacity	820–2,000	macrolon	-	MCR-102
3	Up to 10,000 liter tank capacity	1,400–2,000	macrolon	-	MCR-103

Genuine glass pipe for fill level indicator NW 20 (surcharge)

1	Up to 4,999 liter tank capacity	820–1,400	glass	-	EGR -202
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To fill level

· FS-MO-8B

Fill level indicator NW 10

· With liter scale with pressure-resistant fabric tube
· Closed version

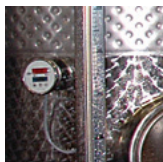
1	Up to 4,999 liter tank capacity	1,000–1,400	AISI 304	-	FS -131H
2	Up to 10,000 liter tank capacity	1,600	AISI 304	-	FS -131I

Temperature measurement

ACCESSORIES TEMPERATURE MEASUREMENT (WELD-ON PIECES)

For local temperature regulation

· F0, FS-MO, AS-MO, MS-MO, RS-MO, RA-MO, RS-MO, RS-MO-Q, RA-MO-Q



Positioning

T1 = Front left, beside level indicator (not for 900x1,400 mm, 1,100x1,600 mm and juice extractor sieves)

T2 = In a central position at the back

T3 = At the back 45° left

T4 = Long side front left (only RS-MO / RA-MO, only for connection position C1–C4)

T5 = Long side at the back right (only RS-MO / RA-MO, only for connection position C5–C8)

T6 = Front right beside level indicator, level indicator offset to the left (not for 900x1,400 mm, 1,100x1,600 mm and juice extractor sieves)

T7 = Front right beside level indicator, level indicator at standard position

(not for tanks with only one stainless steel sheet and juice extractor sieves)


Height always according to position standard temperature measurement

Item	Tank- \emptyset mm	Material	Order No. mounted
Possible choices			
T1 = Weld-on gland NW10 DIN 11851		AISI 304	TS1A
T1 = Drilled hole \emptyset 13 mm		AISI 304	TS1B
T1 = Drilled hole \emptyset 18 mm	820–2,000	AISI 304	TS1C
T1 = Weld-on gland NW20 DIN 11851	+ Rectangular tanks	AISI 304	TS1D
T2 = Weld-on gland NW 10 DIN 11851		AISI 304	TS2A
T2 = Drilled hole \emptyset 13 mm	820–2,000	AISI 304	TS2B
T2 = Drilled hole \emptyset 18 mm	+ Rectangular tanks	AISI 304	TS2C
T3 = Weld-on gland NW 10 DIN 11851		AISI 304	TS3A
T3 = Drilled hole \emptyset 13 mm		AISI 304	TS3B
T3 = Drilled hole \emptyset 18 mm	820–2,000	AISI 304	TS3C
T4 = Weld-on gland NW 10 DIN 11851		AISI 304	TS4A
T4 = Drilled hole \emptyset 13 mm		AISI 304	TS4B
T4 = Drilled hole \emptyset 18 mm	Rectangular tanks	AISI 304	TS4C
T5 = Weld-on gland NW 10 DIN 11851		AISI 304	TS5A
T5 = Drilled hole \emptyset 13 mm		AISI 304	TS5B
T5 = Drilled hole \emptyset 18 mm	Rectangular tanks	AISI 304	TS5C
T6 = Weld-on gland NW 10 DIN 11851		AISI 304	TS6A
T6 = Drilled hole \emptyset 13 mm		AISI 304	TS6B
T6 = Drilled hole \emptyset 18 mm	1,000–2,000	AISI 304	TS6C
T6 = Weld-on gland NW 20 DIN 11851	+ Rectangular tanks	AISI 304	TS6D
T7 = Weld-on gland NW 10 DIN 11851		AISI 304	TS7A
T7 = Drilled hole \emptyset 13 mm		AISI 304	TS7B
T7 = Drilled hole \emptyset 18 mm	820–2,000	AISI 304	TS7C
T7 = Weld-on gland NW 20 DIN 11851	+ Rectangular tanks	AISI 304	TS7D



Due to technical reasons the position of the connection can differ in some cases.

Sealings for NW10 + NW20 DIN 11851 in NBR.


ACCESSORIES TEMPERATURE MEASUREMENT (WELD-ON PIECES)

Item	Tank- \emptyset mm	Material	Order No.		
			loose	mounted	
To temperature measurement · FO, FS-MO, AS-MO, MS-MO, RS-MO, RA-MO, RS-MO, RS-MO-Q, RA-MO-Q					
	Bi-metal dial thermometer 100 mm \emptyset · Measuring range -20°C to +60°C · Weld- on thread NW 10 DIN 11851				
	1 Incl. threaded sleeve, L = 125 mm	820-3,600	AISI 304	-	TM-140C
	2 Incl. threaded sleeve, L = 250 mm	820-3,600	AISI 304	-	TM-140D
Bi-metal dial thermometer 100 mm \emptyset · Measuring range in °C and ° Fahrenheit · Welded-on thread NW 10 DIN 11851 · Incl. threaded sleeve, L = 125 mm					
	820-3,600	AISI 304	-	TM-140E	
To Temperature measurement · FS-MO-1B, FS-MO-3B, FS-MO-8B					
Bi-metal dial thermometer 100 mm \emptyset · Measuring range in -20°C bis +60°C · Incl. threaded sleeve to thermometer					
	630-3,000	AISI 304	-	TM-140F	



ACCESSORIES TEMPERATURE MEASUREMENT (SCREW-ON AND SPARE PARTS)

Item	Tank- \emptyset mm	Material	Order No.		
			loose	mounted	
To temperature measurement · FO, FS-MO, AS-MO, MS-MO, RS-MO, RA-MO, RS-MO, RS-MO-Q, RA-MO-Q					
	Bi-metal dial thermometer 100 mm \emptyset · Measuring range -20°C to +60°C				
	1 For threaded sleeve, L = 125 mm	820-3,600	AISI 304	63887	-
	2 For threaded sleeve, L = 250 mm	820-3,600	AISI 304	83975	-
Bi-metal dial thermometer 100 mm \emptyset · Measuring range in °C and ° Fahrenheit · For threaded sleeve, L = 125 mm					
	820-3,600	AISI 304	73558	-	
	Threaded sleeve to thermometer				
	1 L = 125 mm	820-3,600	AISI 304	64071	-
	2 L = 250 mm	820-3,600	AISI 304	83976	-

ACCESSORIES MANHOLE, MASH DOORS AND BOTTOM OUTLETS (WELD-ON PIECES)








Item	Tank-ø	Material	Order No.	Order No.	
	mm		loose	mounted	
<p>Instead of mash door</p> <p>· FO-M</p> <hr/>					
 <p>Mash door with hinged door</p> <ul style="list-style-type: none"> · Surcharge to FO-M · Open towards the outside · The door is left hinged · Lateral bottom outlet neck NW50 DIN 11851 · Elevated box-shaped legs for discharge height 580 mm 	1 For ø 1,000 to 1,400 mm	1,000	AISI 304	-	ML -110M
	· W = 420 mm x H = 310 mm	1,200	AISI 304	-	ML -110M
		1,400	AISI 304	-	ML -110M
	2 For ø 1,600 mm to 2,000 mm	1,600	AISI 304	-	ML -110M
	· W = 530 mm x H = 400 mm	1,800	AISI 304	-	ML -110M
		2,000	AISI 304	-	ML -110M
	Hinged door hinged upwards (instead of standard hinged on the left)				
	· For FD-MTTK, FD-MTAK, FD-ITTK, FD-ITAK, FD-MÜTK, FD-MÜAK, FD-DFTK, FD-DFAK			-	ML-1100

ACCESSORIES MANHOLE, MASH DOORS AND BOTTOM OUTLETS (SCREW-ON AND SPARE PARTS)


Item	Tank-ø	Material	Order No.	Order No.	
	mm		loose	mounted	
<p>Sealings</p> <p>· FS-MO, AS-MO, MS-MO, RS-MO, RA-MO</p> <hr/>					
 <p>Sealing for slipping over manhole</p>	1 320 x 250 mm	820	Silicone	81485	-
	2 420 x 320 mm	820-3,600	Silicone	79028	-
	3 440 x 340 mm	1,000-3,600	Natural rubber	81353	-
 <p>Sealing for glueing into manhole</p>	1 250 x 320 mm	820	Foam rubber	62593	-
	2 320 x 420 mm	820-2,000	Foam rubber	60786	-
<p>Sealing for glueing into mash door</p>	1 310 x 420 mm	1,000-2,000	Natural rubber	72174	-
	2 400 x 530 mm	1,000-2,000	Natural rubber	82649	-
Glue Terokal 175 gr.		-	-	52298	-

Legs



ACCESSORIES LEGS (WELD-ON PIECES)

	Item	Tank- ϕ mm	Material	Order No. loose	Order No. mounted
	Tank legs · FO, FS-MO, MS-MO				
	1 Short version standard -100 mm	820–2,000	-	-	FA -030B
	2 Long version standard +92 mm	820	-	-	FA -030C
	3 Long version standard +219 mm	1,000	-	-	FA -030C
	4 Long version standard +176 mm	1,200	-	-	FA -030C
	5 Long version standard +168 mm	1,400	-	-	FA -030C
	6 Long version standard +138 mm	1,600	-	-	FA -030C
	7 Long version standard +136 mm	1,800	-	-	FA -030C
	8 Long version standard +96 mm	2,000	-	-	FA -030C
	9 Short version standard -100 mm	2,200–3,000	-	-	FA -030B
10 Long version standard +100 mm	2,200–3,000	-	-	FA -030C	
	Tank legs · RS-MO				
	1 Short version standard -100 mm	900 x 1,400 –1,500 x 2,000	-	-	FA -030B
	2 Long version standard +156 mm	900 x 1,400	-	-	FA -030C
	3 Long version standard +156 mm	1,100 x 1,600	-	-	FA -030C
	4 For FD 60 - 120 liter · Height H=+ approx. 155mm	-	PE	77520	-
5 For FD 240 liter · Height H=+ approx. 155mm	-	PE	77400	-	
	Tank legs · RS-MO-Q				
	1 Short version standard -100 mm	1,400 x 1,400	-	-	FA -030B
2 Long version standard +156 mm	1,400 x 1,400	-	-	FA -030C	
Special leg lengths on request in increments of approx 100 mm					
	Footplate for on-site dowelling	-	AISI 304	-	-
	PE-base for transportation and storage	820	PE	66186	FA -030E
	For coantainers with a curved base	1,000 1,200	PE PE	66187 66188	FA -030E FA -030E
	Transportation base on rolls				
	1 For FD 100 liter · Height H=+ approx. 155mm	-	PE	77520	-
2 For FD 240 liter · Height H=+ approx. 160mm	-	PE	77400	-	
	Storage rack for tanks with flat bottom · BO, UF, BD				
		440	AISI 304	97177	-
		550	AISI 304	97186	-
		630	AISI 304	96396	-
		820	AISI 304	97196	-
		1,000 1,200	AISI 304 AISI 304	97197 97205	- -
	Stainless steel transport racks, for screwing · FO, FS-MO, RS-MO				
	Accessible from 4 sides by pallet truck or 2 sides by forklift truck				
	Up to 750 ltr.	820	AISI304	50476	-
	Up to 1,250 ltr.	1,000	AISI304	50479	-
	Up to 1,800 ltr.	1,200	AISI304	50482	-
	Up to 1,950 ltr.	900 x 1,400	AISI304	50485	-
Up to 3,000 ltr.	1,400 x 1,400	AISI304	50907	-	

ACCESSORIES LEGS (WELD-ON PIECES)

Item	Tank-ø	Material	Order No.	Order No.	
	mm		loose	mounted	
 <p>NEW Stainless steel transport rack, welded on · FO, FS-M0, SO-Z</p> <hr/> <p>Accessible from two sides by pallet / forklift truck</p>	Up to max. 1,550 ltr	1,000	1,4301	-	FA-030K
	Up to max. 2,100 ltr.	1,200	1,4301	-	FA-030K
	Up to max. 3,300 ltr.	1,400	1,4301	-	FA-030K
	Up to max. 4,800 ltr.	1,600	1,4301	-	FA-030K

ACCESSORIES LEGS (SCREW-ON AND SPARE PARTS)

Item	Tank-ø	Material	Order No.	Order No.	
	mm		loose	mounted	
 <p>Special discharge height · FD-MT, FD-IT, FD-MÜ, FD-DF, FD-MBT, FD-MK, FD-MKEH</p> <hr/> <p>Special discharge height leg extensions · Discharge height from 600 mm to 1,000 mm in increments approx. 100 mm</p>	1,600–2,800	-	-	FA-030S	
	<p>Special discharge height · FO-M</p> <hr/> <p>Special discharge height leg extensions · Discharge height from 600 mm to 1,000 mm in increments approx. 100 mm (Design: box- shaped legs)</p>				
	1 Tank-ø 1,000 mm–1,400 mm	1,000–1,400	-	-	FA-030T
2 Tank-ø 1,600 mm–2,000 mm	1,600–2,000	-	-	FA-030U	
 <p>Height adjustment for tank legs · FO, FS-M0</p> <hr/> <p>Height adjustment for tank legs · Levelling range of adjustable feet for tank legs · M20 min. 55 mm–max. 100 mm · M24 min. 60 mm–max. 130 mm · M30 min. 80 mm–max. 170 mm (welded to foot plate) · M36 min. 90 mm–max. 210 mm (welded to foot plate)</p>	1 Set= 3 pieces per tank M20	1,000–1,200	-	46127	-
	2 Set= 6 pieces per tank M20	1,400–1,600	-	46125	-
	3 Set= 6 pieces per tank M24	1,800–2,000	-	46128	-
	4 Set= 8 pieces per tank M24	2,200–2,800	-	46129	-
	5 Set= 8 pieces per tank M30	2,800–3,200	-	-	FA- 040A
	6 Set= 10 pieces per tank M30	2,600–3,600	-	-	FA- 040B
	7 Set= 12 pieces per tank M30	3,200–3,600	-	-	FA- 040C
	8 Set= 14 pieces per tank M30	3,200–3,600	-	-	FA- 040D
	9 Set= 16 pieces per tank M30	3,600	-	-	FA- 040E
	10 Set= 10 pieces per tank M36	3,200	-	-	FA- 040F
	11 Set= 12 pieces per tank M36	3,200–3,600	-	-	FA- 040G
	12 Set= 14 pieces per tank M36	3,600	-	-	FA- 040H
	13 Set= 16 pieces per tank M36	3,600	-	-	FA- 040I


Legs

ACCESSORIES LEGS (SCREW-ON AND SPARE PARTS)

Item	Tank- \emptyset mm	Material	Order No. loose	Order No. mounted
Height adjustment for tank legs · RS-M0, RS-M0-Q				
<hr/>				
1 Set= 4 pieces per tank M20	-	-	46126	-
Height adjustment for tank legs · FS-M0-8B				
<hr/>				
1 Set= 6 pieces per tank M20	1,000–1,600	-	46125	-
2 Set= 8 pieces per tank M24	1,800–2,200	-	46129	-

Pipes

ACCESSORIES PIPES (WELDED-ON PIECES)

Item	Tank- \emptyset mm	Material	Order No. loose	Order No. mounted
To cleaning · FS-M0, RS-M0				
<hr/>				
	Cleaning pipe			
	· Drawn down to operating height			
	· Cleaning spray head, perforation 360 ° with clip fastener			
	· Connection DIN 11851 at tank front side			
	· H=+ approx. 150 mm			
	Spray head NW 25			
	· Flow rate at 1.0 bar ~ 11m ³ / h			
	· Flow rate at 2.5 bar ~ 17 m ³ / h			
	Spray head DN 40			
	· Flow rate at 1.0 bar ~ 11m ³ / h			
· Flow rate at 1.0 bar ~ 19m ³ / h				
Spray head DN 50				
· Flow rate at 1.0 bar ~ 28m ³ / h				
· Flow rate at 2.5 bar ~ 42m ³ / h				
1 DN 25 to 10,000 liter tank capacity	1,000–2,000	AISI 304	-	RL-025A
2 DN 40 to 10,000 liter tank capacity	1,000–2,400	AISI 304	-	RL-040A
3 DN 40 to 20,000 liter tank capacity	1,800–2,400	AISI 304	-	RL-040B
4 DN 40 to 50,000 liter tank capacity	2,200–2,800	AISI 304	-	RL-040C
5 DN 50 to 10,000 liter tank capacity	1,000–3,600	AISI 304	-	RL-050A
6 DN 50 to 20,000 liter tank capacity	1,800–3,200	AISI 304	-	RL-050B
7 DN 50 to 50,000 liter tank capacity	2,200–3,600	AISI 304	-	RL-050C
8 DN 50 to 125,000 liter tank capacity	3,000–3,600	AISI 304	-	RL-050D
Spray head, detachable from outside				
1 NW 40	1,000–3,600	AISI 304	-	RL -041A
2 NW 50	1,000–3,600	AISI 304	-	RL -051A
Connection from cleaning pipe to fill level indicator NW 10				
· H=+ approx. 50 mm	1,000–3,600	AISI 304	-	VL -050A
Connection from cleaning pipe to filler neck with spray head NW 20				
· H=+ approx. 50 mm	1,000–3,600	AISI 304	-	VL -050B


ACCESSORIES PIPES (WELDED-ON PIECES)

Item	Tank- \emptyset mm	Material	Order No.	
			loose	mounted
To filling				
· FS-MO, RS-MO				
Filling pipe NW 50				
· Drawn off to operation height				
· Connection NW 50 DIN 11851				
· H = + approx. 150 mm				
1 Up to 10,000 liter tank capacity	1,000–2,600	AISI 304	-	BF-100A
2 Up to 20,000 liter tank capacity	1,600–3,200	AISI 304	-	BF-200B
3 Up to 50,000 liter tank capacity	2,200–3,600	AISI 304	-	BF-400D
4 Up to 125,000 liter tank capacity	3,000–3,600	AISI 304	-	BF-500E
To ventilation				
· FS-MO-8B				
Ventilation pipe NW 25				
· Drawn off to operation height				
· Connection NW 25 DIN 11851				
· H = + approx. 150 mm				
	1,000–1,600	AISI 304	-	EL-100A
To inundation				
· FD-MT, FD-MK, FD-MKEH				
Inundation pipe NW 50				
· Drawn off to operating height				
· With self-rotating sprinkling system				
· Connection thread NW 50 DIN 11851				
1 Up to 10,000 liter tank capacity	1,600–2,400	AISI 304	-	ÜF -1
2 Up to 20,000 liter tank capacity	2,000–2,800	AISI 304	-	ÜF -2
3 Up to 30,000 liter tank capacity	2,400–2,800	AISI 304	-	ÜF -3
Flooder removable from outside	1.600–2800	AISI 304	-	AE-MT1
· FD-IT, FD-MBT				
Inundation pipe NW 50				
· Drawn off to operation height				
· With two self-rotating sprinkling system				
· Connection thread NW 50 DIN 11851				
1 Up to 10,000 liter tank capacity	1,600–2,400	AISI 304	-	ÜF -4
2 Up to 20,000 liter tank capacity	2,000–2,800	AISI 304	-	ÜF -5
3 Up to 30,000 liter tank capacity	2,400–2,800	AISI 304	-	ÜF -6
Flooder removable from outside	1.600–2.800	AISI 304	-	AE-MT2
To double jackets				
· FS-MO / AS-MO, RS-MO / RA-MO, RS-MO-Q / RA-MO-Q				
Double jacket piping				
· Each 1 supply line and 1 return line (without cap), pulled up at height tank top				
· 1–2 drainage options, with cap in the inlet and return pipe				
· Individual double jackets are connected in parallel with fixed piping in supply and return lines				
	1,000–3,600	AISI 304	-	-
	900x1,400–1,500x2,000	AISI 304	-	-
	1,400 x 1,400	AISI 304	-	-
Cable guide pipe	from 1.000	AISI304	-	KR-100A on request





Pipes

ACCESSORIES PIPES (SCREW-ON AND SPARE PARTS)

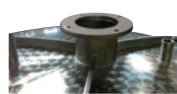
Item	Tank- \varnothing mm	Material	Order No. loose	Order No. mounted
Armature for ventilation pipe · FS-M0-8B				
 Sparkling wine armature with bevel seat gate valve NW25 DIN 11851 · Left: block valve NW10 DIN 11851 with manometer, incl. connection NW20 with sealing cap fro nitrogen supply · Right: safety valve (working pressure 8.0 bar)	1,000–1,600	AISI 304	-	SA -100A

Stirring device connections, flanges and supplementary threads

STIRRING DEVICE CONNECTIONS, FLANGES AND SUPPLEMENTARY THREADS (WELD-ON PIECES)

Item	Tank- \varnothing mm	Material	Order No. loose	Order No. mounted
 Stirring device connection, slanted welding <hr/> Stirring device connection, slanted welding 1 NW 40 2 NW 50	1,000–3,600 1,000–3,600	AISI 304 AISI 304	- -	KA-121M KA-121N
Instead of stirring device connection AG 37 W 47 x 1/9" · S0-Z, RO-Z				
Stirring device connection neck 1 External thread NW40 DIN 11851 Sealing: NBR	820–1,200	AISI 304	-	RW-160B
2 External thread NW50 DIN 11851 Sealing: NBR	820–1,200	AISI 304	-	RW-160C
3 External thread 40 Macon	820–1,200	AISI 304	-	RW-160D
4 Without stirring device connection neck	820–1,200	AISI 304	-	RW-160E
<hr/> To stirring device				
 Stirring device flange on the side · For standard seal flange stirring device mounted on the side of the tank shell · For stirring angle 30°–45°, with reinforcement ring, flange and fastening bolts · Flange is inclined inwards to avoid air				
1 Flange-DN 65	1,000–3,600	AISI 304	-	FL-065A
2 Flange-DN 80	1,000–3,600	AISI 304	-	FL-080A
3 Flange-DN 100	1,000–3,600	AISI 304	-	FL-100A
4 Flange-DN 150	1,000–3,600	AISI 304	-	FL-150A
5 Flange-DN 200	1,000–3,600	AISI 304	-	FL-200A
6 Flange-DN 250	1,000–3,600	AISI 304	-	FL-250A

STIRRING DEVICE CONNECTIONS, FLANGES AND SUPPLEMENTARY THREADS (WELD-ON PIECES)



Item	Tank- \emptyset mm	Material	Order No. loose	Order No. mounted
Stirring device flange at tank top				
· For standard stirring device vertical at tank top, for upright standing stirring device, with reinforcement ring and fastening bolts				
1 Flange-DN 150	1,600–3,600	AISI 304	-	FZ- 150A
2 Flange-DN 200	1,600–3,600	AISI 304	-	FZ- 200A
3 Flange-DN 250	1,600–3,600	AISI 304	-	FZ- 250A

Stirring device on request under specification of the necessary process data

Weld-on gland



Weld-on gland horizontally				
· Weld-on gland horizontally at tank shell (from NW40 upwards with reinforcement plate)				
· DIN 11851 with sealing NBR or				
Clamp DIN 32676 / DIN 11864				
1 NW 10	820–3,600	AISI 304	-	SH -010A
2 NW 20	820–3,600	AISI 304	-	SH -020A
3 NW 25	820–3,600	AISI 304	-	SH -025A
4 NW 32	820–3,600	AISI 304	-	SH -032A
5 NW 40	820–3,600	AISI 304	-	SH -040A
6 NW 50	820–3,600	AISI 304	-	SH -050A
7 NW 65	820–3,600	AISI 304	-	SH -065A
8 NW 80	1,000–3,600	AISI 304	-	SH -080A
9 NW 100	1,000–3,600	AISI 304	-	SH -100A
10 NW 125	1,000–3,600	AISI 304	-	SH -125A
11 NW 150	1,000–3,600	AISI 304	-	SH -150A






Weld-on gland vertically				
· Weld-on gland vertically at the tank top or tank bottom				
· DIN 11851 with sealing NBR or				
Clamp DIN 32676 / DIN 11864				
1 NW 20	820–3,600	AISI 304	-	SV -020A
2 NW 25	820–3,600	AISI 304	-	SV -025A
3 NW 32	820–3,600	AISI 304	-	SV -032A
4 NW 40	820–3,600	AISI 304	-	SV -040A
5 NW 50	820–3,600	AISI 304	-	SV -050A
6 NW 65	820–3,600	AISI 304	-	SV -065A
7 NW 80	1,000–3,600	AISI 304	-	SV -080A
8 NW 100	1,000–3,600	AISI 304	-	SV -100A
9 NW 125	1,000–3,600	AISI 304	-	SV -125A
10 NW 150	1,000–3,600	AISI 304	-	SV -150A



Adapter nozzle				
· For double jacket connection G1" male thread				
· Adapter with connection G1" female thread				
1 Outlet G½" AG	-	AISI 304	93298	-
2 Outlet G¾" AG	-	AISI 304	93300	-
3 Outlet clamp DN25	-	AISI 304	66702	-
4 Outlet NPT	-	AISI 304	83672	-

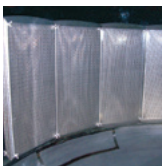


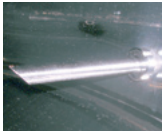

Control modes, automation, mash and juice extraction

CONTROL MODES, AUTOMATION, MASH AND JUICE EXTRACTION (WELD-ON PIECES)


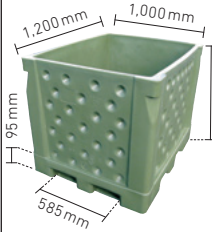

Item	Order No. mounted	
	<p>Automatic temperature regulation with target indicator and actual indicator</p> <ul style="list-style-type: none"> · Mash heating: Desired start temperature for fermentation – insert target value "Heating". The heating switches itself off automatically when target value is reached. · Mash cooling: In order to avoid exceeding the desired fermentation temperature insert target value "cooling". The cooling switches itself on automatically via a solenoid valve and cools the mash down until the desired fermentation temperature is either reached or maintained. · Version including solenoid valves · For connection to locally available warm water / cold water source <p>1 For FD-MT, FD-IT, FD-DF, SD-MGRL, FD-MBT 2 For FD-MÜ</p>	<p>DMS -1 DMS -2</p>
	<p>Pneumatic slide feed proportioning</p> <ul style="list-style-type: none"> · With inching function, manual control element mounted on tank · The compressor's pressurised air must be prepared with an air preparation unit! · We recommend the following air preparation units: FESTO FRC-1/2-D-MIDI-A (Order No. 159591) SMC AC40A-F04DE <p>· FD-MTTS, FD-MTAS, FD-ITTS, FD-ITAS, FD-MÜTS, FD-MÜAS, FD-DFTS, FD-DFAS</p>	<p>PSD- 1</p>
	<p>Pump with regulation for juice pumpover</p> <ul style="list-style-type: none"> · Permanently installed rotary pump on stainless steel console with stainless steel covering · Delivery volume 10.0 cbm / h · Delivery height 14.0 m (1.4 bar) · Power 1.1 kW · Tension 400.0 V · Complete pipe installation for juice pumpover with disc valve NW 50 DIN 11851 for locking and disc valve NW 50 DIN 11851 for extraction (on the pressure side) · Complete pipe installation for juice extraction connection with locking disc valve NW 50 DIN 11851, sight glass and disc valve NW 50 DIN 11851 for extraction (pressureless) · Pump and interval time controllable <p>1 For FD-MT, FD-IT 2 For FD-MÜ</p>	<p>WP -100A WP -100B</p>



CONTROL MODES, AUTOMATION, MASH AND JUICE EXTRACTION (WELD-ON PIECES)

Item	Tank-ø mm	Material	Order-No. loose	Order-No. mounted
 <p>Juice extractor sieves</p> <ul style="list-style-type: none"> · With large surface (900 mm high) · Easily removable · Material AISI304 · Juice extraction NW50 DIN 11851 · For FD-MT, FD-IT, FD-MÜ, FD-DF, FO-M for diameter 1,600–3,000 mm <p>1 Up to 3,850 liter tank capacity – 1 sieve</p> <p>2 Up to 7,800 liter tank capacity – 2 sieves</p> <p>3 Up to 15,000 liter tank capacity – 3 sieves</p> <p>4 Up to 20,000 liter tank capacity – 4 sieves</p> <p>5 Up to 25,000 liter tank capacity – 5 sieves</p> <p>6 Up to 30,000 liter tank capacity – 6 sieves</p>			Ventilation via fill level indicator (fill level indicator required)	
				ESS -1
				ESS -2
				ESS -3
				ESS -4
				ESS -5
				ESS -6
<p>Juice extractor sieves</p> <ul style="list-style-type: none"> · With large surface (650 mm high) · Easily removable · Material AISI 304 · Juice extraction NW 50 DIN 11851 · For FO-M for diameter 1,000–1,800 mm <p>1 Up to 3,850 liter tank capacity – 1 sieve</p> <p>2 Up to 7,800 liter tank capacity – 2 sieves</p> <p>3 Up to 15,000 liter tank capacity – 3 sieves</p> <p>4 Up to 20,000 liter tank capacity – 4 sieves</p>			Ventilation via fill level indicator (fill level indicator required)	
				ESS -7
				ESS -8
				ESS -9
				ESS -10
<p>NEW</p>  <p>Juice Extraction Sieve</p> <ul style="list-style-type: none"> · For installation in the inside of the mash door 310 x 420 mm · incl. juice outlet in the door NW 50 DIN 11851, NBR sealing (for draining without pump) 	1.600–3.600	AISI 304	-	ESS -11
 <p>Grape seed discharge</p> <ul style="list-style-type: none"> · An additional seed collector collects the seeds in a slot in the sandwich bottom. From there, the seeds are released via a ball valve DN 65 as necessary · Für FD-MTAK, FD-MTAS, FD-MÜAK, FD-MÜAS 				KF -1
 <p>Pressure inundation system</p> <ul style="list-style-type: none"> · Four removable, individually lockable spray valves are laterally arranged on the tank. They serve for the mixing of the mash by air impulses. <p>1 For FD-MT, FD-IT</p> <p>2 For FD-MÜ</p>				DFS -1 DFS -2
 <p>Manhole</p> <ul style="list-style-type: none"> · 420x320 mm LW · Complete with door and electric fuse (electrical installation on site) · For FD-MT 				ML-110A
<p>Manhole</p> <ul style="list-style-type: none"> · 420x320 mm LW · Door with bow and hand wheel with electric fuse · For SD-MGRL 				MA-110S
<p>Pinch bars</p> <ul style="list-style-type: none"> · Vertically moulded on the sides of the tank shell, for better mixing · For FD-MBT <p>1 Up to 10,000 liter tank capacity</p> <p>2 Up to 20,000 liter tank capacity</p> <p>3 Up to 30,000 liter tank capacity</p>				BS-100A BS-100B BS-100C

CONTROL MODES, AUTOMATION, MASH AND JUICE EXTRACTION (WELD-ON PIECES)







Item	Order No.
 <p>Connection pipe</p> <ul style="list-style-type: none"> · For pump (inlet side) to sight glass valve of the fill level indicator with gate valve for air dosage (possible only in addition to pump and fill level indicator) 	<p>mounted</p> <p>LG-100A</p>
<p>Maintenance unit</p> <ul style="list-style-type: none"> · For mobile plunger, FD-MT, FD-IT · Parker G ½" 	90476
 <p>PE grape tipping tube</p> <ul style="list-style-type: none"> · Capacity 800 liter · Dimensionally stable due to compound walls with stabilising funnels outside · Inside with smooth walls · No rips, no dirty angles, perfectly hygienic · Easy cleaning, also outside · Tilttable from all four sides (with forklift with rotating tyres) · Stackable (filled: two tubs on top of each other at a time; empty: endless) · Dark green, food safe PE-plastic (recyclable) 	10002
 <p>Cover hood</p> <ul style="list-style-type: none"> · Made of food safe canvas 	10006

Insulation, tank approval, tank labelling, additional costs for modification

ACCESSOIRES (MISCALLENEOUS)

Item	Tank-ø mm	Material	Order No. loose	Order No. mounted
 <p>Handles</p>				
<p>Handle protection für UF drums</p>	280 - 440	plastic	77456	-
 <p>Insulation</p>				
<p>Neoprene sleeve</p> <p>1 For UF fermentation and storage barrel 15 litres</p> <p>2 For UF fermentation and storage barrel 30 litres</p> <p>3 For UF fermentation and storage barrel 60 litres</p>	280 350 350	Neoprene Neoprene Neoprene	94137 94130 94131	- - -
<p>NEW</p>  <p>Colour coating for tank jacket or double jacket</p> <ul style="list-style-type: none"> · With cut-outs for manhole, gland and other connections · Exclusive tanks due to individual colour selection · max. tank height 2,500 mm 	820 bis 2,000			

ACCESSORIES (MISCELLANEOUS)

	Item	Tank- \emptyset mm	Material	Order No. loose	Order No. mounted
NEW	 <p>Coloured double jacket · Black, blue, red · For projects, color deviations possible</p>	1,000–2,000	AISI304	-	DPM-100C
	 <p>Seal welded insulation · Completely insulated tank · Insulation material mineral wool / armaflex · Casing with stainless steel sheet, AISI 304, marbled outside / IIIc · Lengthwise and crosswise seal welded joints</p>	1,000–3,000	-	-	ISO-100A
	 <p>Riveted / screwed insulation · Completely insulated tank · Insulation material mineral wool / armaflex · Casing with stainless steel sheet, AISI 304, marbled outside / IIIc · Rivetted and screwed lengthwise and crosswise joints</p>	1,000–3,000	-	-	ISO-200A
	 <p>Stainless steel console · For mounting a maintenance walkway · Statics of the entire plant is carried out by structural engineers on site</p>	1,000–3,600	AISI 304	-	LS-100A
	 <p>Tank labelling Sticker for tank labelling</p>	820–3,600	-	83978	-
NEW	 <p>Individual nameplate · Laser-engraved on stainless steel, colored background · Screwed onto bracket on tank</p>	from 1,000	AISI304	-	NAS-100A
	<p>Inspection costs ATEX · Incl. documentation per tank variant</p>	-	-	00038	-
	<p>Inspection costs for calibratable level indicator · Incl. documentation · Costs for Office of Weights and Measures</p>	-	-	00039-01 00039-02	-
	<p>Tankapproval · For pressure tanks in accordance with the <u>guideline for pressure devices 2014 / 68 / EU</u></p>				
	<p>TÜV-test with documentation 1 For each Tank 2 One only for each entire order</p>	1,000–3,000 1,000–3,000	-	TÜV-001 TÜV-002	- -
	<p>Additional costs for modification In case of variations from the listed version (plus additional costs of the structural element)</p>	350–820 1,000–3,000 900 × 1,400–1,500 × 2,000 1,400 × 1,400	-	00024 00019	- -