

We adapt our tanks to your needs

Every use 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!



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" with sealing cap	440-820	AISI 304	-	OB-041D
2 Clamp 1 1/2"	440-820	AISI 304	-	OB-041M

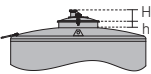
Instead of filling and vent connection
external thread NW50 Rd 78 x 1/6"
· FS-MO, AS-MO, MS-MO, RS-MO, RA-MO



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"

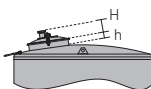


Filler neck located in the centre of the tank top

· Tank top without moulded channel
· Flap lid with NW 50, external thread Rd 78 x 1/6"

1 NW 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

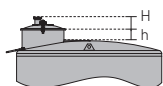
Pay attention to sufficient space / height for the opening and handling of the domes.



Filler neck located in the tank top in a forward position

· Tank top without moulded channel without complete deaeration
· 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



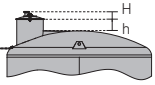




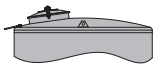
Filler neck located in the tank top in a forward upright position

· 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	dto.	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

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

ACCESSORIES VENTILATION (WELD-ON PIECES)




Item	Tank- \emptyset mm	Material	Order No.	
			loose	mounted
 <p>Filler neck located in the tank top in a forward upright position, with vent channel</p> <ul style="list-style-type: none"> · Tank top with welded-on vent · Flap lid with NW50, external thread Rd 78 x 1/6" NW 400, h = approx. 200 mm, H = approx. 320 mm 	2,200–3,600	AISI 316	-	OB-040T
 <p>Filler neck in flap lid instead of NW 50 Rd 78 x 1/6"</p> <ul style="list-style-type: none"> 1 Connection external thread 40 Macon 2 Clamp 2" 	820–3,600 820–3,600	AISI 316 AISI 316	- -	ES -080D ES -080L
 <p>Vent outlet</p> <ul style="list-style-type: none"> · With filling and vent connection NW50 Rd 78 x 1/6" 	2,200–3,600	AISI 316	-	OB -040U
 <p>Drain outlet</p> <ul style="list-style-type: none"> · With drain outlet elbow NW50 DIN 11851 	2,200–3,600	AISI 304	-	RA -151H
 <p>Ventilation hood</p> <ul style="list-style-type: none"> · For ventilation for large volumes · With air redirection and fly screen · For pressureless application 1 NW200 2 NW400 	820–3,600 820–3,600	AISI 304 AISI 304	- -	OB -043A OB -043B
Dome "Pressure"				
 <p>Filler neck located in the tank top in a forward position</p> <ul style="list-style-type: none"> · Tank top without moulded channel without complete deaeration · With flap lid · NW400, h = 65 mm, H = approx. 165 mm 1 Pressure stability 1.0 bar 2 Pressure stability 3.0 bar 	1,000–3,600 1,000–3,600	AISI 316 AISI 316	- -	OB -042A OB -042B



ACCESSORIES VENTILATION (SCREW-ON AND SPARE PARTS)

	Item	Tank- \emptyset mm	Material	Order No. loose	Order No. mounted
	For dome lide · BD, FD				
	Complete replacement lid · New version with inner bracket closing, Sealing: silicone · With drilled hole \emptyset 38 mm and plastic blank cap to hold the fermentation lock with bung, Sealing: silicone	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 To filling and vent connection external thread NW 50 Rd 78 x 1/6" · FS-M0, AS-M0, MS-M0, RS-M0, RA-M0	440-820	plastic, rubber	21010	-
	Fermentation tube with two compartments including bung, straight version 1 For tank capacity up to 10,000 liter 2 For tank capacity from 10,000 liter upwards	550-2,000 2,200-3,600	plastic, rubber	80430 84873	- -
	Fermentation tube with two compartments including bung, inclined version 1 For tank capacity up to 10,000 liter 2 For tank capacity from 10,000 liter upwards	820-2,000 2,200-3,600	acrylic/ rubber	70371 84874	- -
	Pressure compensating valve (spring-loaded) NW 50 DIN 11851	820-3,600	plastic	60911	-
	Feed hopper	820-3,600	plastic	46950	-

ACCESSORIES VENTILATION (SCREW-ON AND SPARE PARTS)




Item	Tank- \varnothing mm	Material	Order No.		
			loose	mounted	
To dome					
· 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 in)*	-	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	-
To open top tanks					
	Dust lid	440	AISI 304	95247	-
	· BO, F01/F02, FO, SO-Z, RO-Z, KO	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	-	
	Sack support				
	· SO-Z, RO-Z				
	1 For tank 530 liter	820	AISI 304	70319	-
	2 For tank 750 liter	1,000	AISI 304	70320	-
	3 For tank 1,000 liter	1,200	AISI 304	70321	-
4 For tank 1,400 liter	1,400	AISI 304	84161	-	

Glue can be found on page 186






Racking outlet and bottom outlet

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

Item	Tank- \emptyset mm	Material	Order No.		
			loose	mounted	
 <p>Instead of racking outlet internal thread 3/4" · BO, BD, FD</p> <hr/> <p>Weld-on bow with connection</p> <p>1 NW 25 DIN 11851</p> <p>2 NW 40 DIN 11851</p> <p>3 Clamp 1 1/2" DN(40)</p> <p>4 RJT 1 1/2"</p>	440-550	AISI304	-	KA -121R	
	440-550	AISI304	-	KA -121S	
	440-550	AISI304	-	KA -121T	
	440-550	AISI304	-	KA -121U	
	<p>Instead of racking outlet external thread 1" · BO, BD, FD</p> <hr/> <p>Weld-on bow with connection</p> <p>1 NW 25 DIN 11851</p> <p>2 NW 40 DIN 11851</p> <p>3 Clamp 1 1/2" DN(40)</p> <p>4 RJT 1 1/2"</p>				
	630-1.200	AISI304	-	KA -121V	
	630-1.200	AISI304	-	KA -121W	
	630-1.200	AISI304	-	KA -121X	
	630-1.200	AISI304	-	KA -121Y	
	 <p>To racking outlet drilled hole 48 mm · FO2, FO, FS-MO, AS-MO, MS-MO, RS-MO, RA-MO</p> <hr/> <p>Weld-on gland with thread</p> <p>1 NW 40 DIN 11851</p> <p>2 NW 50 DIN 11851</p> <p>3 NW 65 DIN 11851</p> <p>4 NW 80 DIN 11851</p> <p>5 NW 100 DIN 11851</p> <p>6 NW 125 DIN 11851</p> <p>7 Clamp 1 1/2" DN(40)</p> <p>8 Clamp 2" DN(50)</p> <p>9 Clamp 3" DN(65)</p> <p>10 NW 50 with flange 100x100</p> <p>11 RJT 1 1/2"</p> <p>12 RJT 2"</p>	630-820	AISI 304	-	KA -120C
		630-3,600	AISI 304	-	KA -120D
		820-3,600	AISI 304	-	KA -120L
		1,000-3,600	AISI 304	-	KA -121C
1,000-3,600		AISI 304	-	KA -120X	
1,000-3,600		AISI 304	-	KA -120Y	
820-3,600		AISI 304	-	KA -120Z	
820-3,600		AISI 304	-	KA -121D	
820-3,600		AISI 304	-	KA -121F	
820-3,600		AISI 304	-	KA -120E	
820-3,600		AISI 304	-	KA -121J	
820-3,600		AISI 304	-	KA -121K	
 <p>Instead of bottom outlet internal thread 3/4" · FD</p> <hr/> <p>Weld-on bow with connection</p> <p>1 NW 25 DIN 11851</p> <p>2 NW 40 DIN 11851</p> <p>3 Clamp 1 1/2" DN(40)</p> <p>4 RJT 1 1/2"</p>		440-550	AISI 304	-	RA -150B
	440-550	AISI 304	-	RA -150A	
	440-550	AISI 304	-	RA -151B	
	440-550	AISI 304	-	RA -151 I	
	<p>Instead of bottom outlet external thread 1" · FD</p> <hr/> <p>Weld-on bow with connection</p> <p>1 NW 25 DIN 11851</p> <p>2 NW 40 DIN 11851</p> <p>3 Clamp 1 1/2" DN(40)</p> <p>4 RJT 1 1/2"</p>				
630-820	AISI 304	-	RA -150B		
630-820	AISI 304	-	RA -150A		
630-820	AISI 304	-	RA -151B		
630-820	AISI 304	-	RA -151 I		
 <p>Instead of bottom outlet external thread NW40 DIN 11851 · FO2, FO, FS-MO, AS-MO</p> <hr/> <p>Weld-on bow</p> <p>1 NW 50 DIN 11851</p> <p>2 NW 65 DIN 11851</p> <p>3 NW 50 with flange 100x100</p> <p>4 Clamp 1 1/2" DN(40)</p> <p>5 Clamp 2" DN(50)</p> <p>6 RJT 1 1/2"</p> <p>7 RJT 2"</p>	630-820	AISI 304	-	RA -150B	
	820	AISI 304	-	RA -150G	
	820	AISI 304	-	RA -150C	
	630-820	AISI 304	-	RA -151B	
	630-820	AISI 304	-	RA -151C	
	820-3,600	AISI 304	-	RA -151 I	
	820-3,600	AISI 304	-	RA -151J	


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

Item	Tank- \emptyset mm	Material	Order No. loose	Order No. mounted
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
As racking outlet · FS-MO-1B, FS-MO-3B, FS-MO-3B-ZKG				
 Racking outlet neck in tank bottom				
1 With outlet NW 40 DIN 11851	630-3.000	AISI304	-	KA -121 I
2 With outlet NW 50 DIN 11851	630-3.000	AISI304	-	KA -121 J
3 With outlet Clamp 1 1/2"	630-3.000	AISI304	-	KA -121 K
4 With outlet Clamp 2"	630-3.000	AISI304	-	KA -121 L
 Yeast plug inside bottom outlet neck				
1 NW 40	630-3.000	AISI304	-	HS-100-A






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

Item	Tank- \emptyset mm	Material	Order No. loose	Order No. mounted
Taps etc. G 3/4" · BO, FO1, FO2, UF, BD, FD				
 Drain valve G3/4" (BSP) with counter nut				
	350-550	AISI 304	65276	-
 Drain valve G3/4" (BSP)				
	350-550	red brass chrome-plated	65079	-
 Ball valve AG / AG G 3/4" (BSP)				
	350-550	AISI 304	75104	-
 Drain valve G3/4" (BSP)				
	350-550	plastic	21013	-
 Blank bung G3/4" (not shown)				
	350-550	plastic	60068	-

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

	Item	Tank- \emptyset mm	Material	Order No. loose	Order No. mounted
	Taps etc. G 1" · BD, FD, BO, FO1				
	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 AG G 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, FO1				
	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	-
	To racking outlet thread and bottom outlet thread · FO, FO2, FS-MO, AS-MO, MS-MO, RS-MO, RA-MO				
	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 security locking device 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 security locking device 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	-


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

Item	Tank- \emptyset mm	Material	Order No.		
			loose	mounted	
 <p>Disc valve with security locking device and sealing caps with chain</p>	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	-
	 <p>Disc valve clamp with end-position locking and stainless steel pincer grip</p>	1 Clamp 1 1/2" DN (40)	550-3,600	AISI 304	79567
2 Clamp 2" DN (50)		550-3,600	AISI 304	79568	-
 <p>Disc valve</p> <ul style="list-style-type: none"> · FD, pressure tanks · IG-AG 1", V2A 	550-820	AISI 304	87882	-	
	 <p>Bevel seat valve with sealing cap and chain</p>	1 NW 40 DIN 11851	1,000-1,600	AISI 304	81606
2 NW 50 DIN 11851		1,000-1,600	AISI 304	80738	-
 <p>Ball valves with sealing cap with chain</p> <ul style="list-style-type: none"> · 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	-
<p>To bottom outlet</p> <ul style="list-style-type: none"> · FS-MO-3B-ZKG 					
	 <p>Racking and bottom outlet valve</p> <ul style="list-style-type: none"> · Tank sided connection to cone · Outlets including bow 90 for racking and bottom outlet connection (plus disc valve) 				
1 Tank sided NW 100 DIN 11851, Outlets NW 25 DIN 11851			AISI 304	92818	-
2 Tank sided NW 100 DIN 11851, Outlets NW 40 DIN 11851		AISI 304	91999	-	





Available from 1,000 liter +only possible with height adjustments

Sampling

ACCESSORIES SAMPLING (WELD-ON PIECES)

	Item	Tank- \emptyset mm	Material	Order No.	Order No.
				loose	mounted
	To sampling · FO, F01, F02, AS-M0, MS-M0, RS-M0, RA-M0				
	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- \emptyset mm	Material	Order No.	Order No.
				loose	mounted
	To sampling · FO, F01, F02, FS-M0, AS-M0				
	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	-
	Sampling tap with cap nut NW 10 DIN 11851				
	· Flame resistant · With connection thread for knuckle spiral	630–3,000	AISI 304	83922	-
	VA Knuckle spiral, connection 3/8"				
	· For froth-less sampling · Flame resistant			83866	-
	To sampling · KZE-/KZEK-tank, FS-M0-8B				
	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- \varnothing mm	Material	Order No. loose	Order No. mounted
 To fill level · FO, F02				
Weld-on thread NW 10 DIN 11851, Sealing: NBR	630–2.000	AISI 304	-	FS-130A

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

Item	Tank- \varnothing mm	Material	Order No. loose	Order No. mounted
To fill level · FO, F01, F02				
 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	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 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 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 sight glass valve				
1 NW 10 / G 1/2"	-	-	45504	-
2 NW 20	-	-	84713	-
Sight glass valve				
1 NW 10	-	-	64065	-
2 G 1/2"	-	-	63190	-
Discharge nut für sight glass valve				
	-	-	81614	-

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

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

To fill level

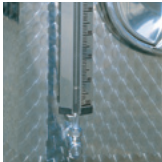
· FS-MO, AS-MO, MS-MO, RS-MO, RA-MO, RS-MO-Q, RA-MO-Q

**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 millimeter 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

* Please note the information on additional costs for tanks with calibrated level indicator on page 193.

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)**

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

To fill level

· FS-MO-1B, FS-MO-3B, FS-MO-3B-ZKG

Fill level indicator NW 10

· With liter scale

· Closed version

1 Up to	999 liter tank capacity	630–1,000	AISI 304	-	FS -130G
2 Up to	4,999 liter tank capacity	1,000–1,400	AISI 304	-	FS -130H
3 Up to	10,000 liter tank capacity	1,900–2,600	AISI 304	-	FS -130I
4 Up to	20,000 liter tank capacity	2,000–3,000	AISI 304	-	FS -130K
5 Up to	50,000 liter tank capacity	2,200–3,000	AISI 304	-	FS -130P

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

Item	Tank- \emptyset mm	Material	Order No. loose	Order No. mounted
To fill level · FS-MO-8B				
Fill level indicator NW 10 · With liter scale with pressure-resistant fabric tube · Geschlossene Version				
1 Up to 4,999 liter tank capacity	1,000-1,400	AISI 304	-	FS -131H
3 Up to 10,000 liter tank capacity	1,600	AISI 304	-	FS -131I

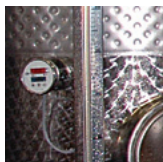


Temperature measurement

ACCESSORIES TEMPERATURE MEASUREMENT (WELD-ON PIECES)

For local temperature regulation

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



Positioning

T1 = Front left, beside level indicator (not for 900x1.400 mm and 1.100x1.600 mm)

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 and 1,100x1,600 mm)

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


Height always according to position standard temperature measurement

Item	Tank- \emptyset mm	Material	Order No. mounted
Possible choices			
T1 = Weld-on gland NW 10 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 NW 20 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.

Sealing for NW10 and NW20 DIN 11851 = NBR.

ZUBEHÖR TEMPERATURMESSUNG (ANSCHWEISSTEILE)



Item	Tank- \emptyset mm	Material	Order No.		
			loose	mounted	
To temperature measurement · FS-MO, AS-MO, MS-MO					
	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 · Weld-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 -20 °C to +60 °C · Incl. threaded sleeve to thermometer · Adapter					
	630-3,000	AISI 304	-	TM-140F	
	630-3,000	AISI 304	-	84379	

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					
	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	-
· FD-1.2B, FD-2.5B, ZKG-1.2B, ZKG-2.5B					
	"Chilly" wort chiller LT 2.2 kW · Temperature -10 °C to +25 °C · Hose connector set to fermentation tank 240 liter / 525 liter / 625 liter / pressure tanks · Further "Chilly" cooling units available on request				
		-	-	77498	-

Manhole

ACCESSORIES MANHOLE (WELD-ON PIECES)



Item	Tank- \emptyset mm	Material	Order No. loose	Order No. mounted
 <p>To manhole · FO, KO, ST-T</p> <hr/> <p>Manhole · Seamlessly moulded out of tank shell 420x320 mm LW · Door with food-safe sealing, gapless and vulcanised, butterfly bow and hand wheel</p>	820-3,000	AISI 304	-	ML-110A
 <p>Swivelling handle for manhole · 420x320 mm LW</p>	820-3,000	-	-	ML-110N

ACCESSORIES MANHOLE (SCREW-ON AND SPARE PARTS)

Item	Tank- \emptyset mm	Material	Order No. loose	Order No. mounted
<p>Sealings · BD, FD, FS-MO, AS-MO, MS-MO, RS-MO, RA-MO</p> <hr/> <p>Sealing for slipping over manhole</p>				
 <p>1 320x250 mm</p>	820	Silicone	81485	-
2 420x320 mm	820-3,600	Silicone	79028	-
3 440x340 mm	1,000-3,600	Natural rubber	81353	-
<p>Sealing for glueing into manhole</p>				
 <p>1 250x320 mm</p>	820	Foam rubber	62593	-
2 320x420 mm	820-2,000	Foam rubber	60786	-
Glue Terokal 175 gr.	-	-	52298	-

Legs






ACCESSORIES LEGS (WELD-ON PIECES)

Item	Tank-ø mm	Material	Order No. loose	Order No. mounted
Tank legs · FO, FS-M0, MS-M0				
 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-M0				
 1 Short version standard -100 mm	900x1,400 –1,500x2,000	-	-	FA -030B
2 Long version standard +156 mm	900x1,400	-	-	FA -030C
3 Long version standard +156 mm	1,100x1,600	-	-	FA -030C
4 Long version standard +156 mm	1,300x1,800	-	-	FA -030C
5 Long version standard +107 mm	1,500x2,000	-	-	FA -030C
Tank legs · RS-M0-Q				
1 Short version standard -100 mm	1,400x1,400	-	-	FA -030B
2 Long version standard +156 mm	1,400x1,400	-	-	FA -030C
Special leg lengths available on request in increments of approx. 100 mm				
Footplate for on-site dowelling	-	AISI 304	-	-



Legs

ACCESSORIES LEGS (WELD-ON PIECES)

	Item	Tank-ø	Material	Order No.	Order No.
		mm		loose	mounted
	PE-base for transportation and storage For tanks with a curved base	820	PE	66186	FA -030E
		1,000	PE	66187	FA -030E
		1,200	PE	66188	FA -030E
	Transportation base on rolls				
	1 For FD 60–120 liter · Heightening H= + approx. 155 mm	-	PE	77520	-
	2 For FD 240 liter · Heightening H= + approx. 160 mm	-	PE	77400	-
	Storage rack for tanks with flat bottom · BO, UF, BD				
		440	AISI304	97177	-
		550	AISI304	97186	-
		630	AISI304	96396	-
		820	AISI304	97196	-
		1,000	AISI304	97197	-
		1,200	AISI304	97205	-
NEW	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.	900x1,400	AISI304	50485	-
	Up to 3,000 ltr.	1,400x1,400	AISI304	50907	-
NEW	Stainless steel transport rack, welded on · FO, FS-MO, SO-Z				
	Accessible from two sides by pallet / forklift truck				
	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- \emptyset mm	Material	Order No. loose	Order No. mounted
Height adjustment for tank legs				
· FO, FD-ZKG, FS-MO, MS-MO, FD-1.2B, FD-2.5B, ZKG-1.2B, ZKG-2.5B				
Height adjustments 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)				
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
Height adjustment for tank legs				
· RS-MO				
1 Set= 4 pieces per tank M20	-	-	46126	-
Height adjustment for tank legs				
· FS-MO-ZKG				
1 Set= 3 pieces per tank M20	630–1,200	-	46127	-
2 Set= 4 pieces per tank M20	1,400–1,800	-	46126	-
3 Set= 4 pieces per tank M24	1,600–2,200	-	46142	-
Height adjustment for tank legs				
· FS-MO-1B, FS-MO-3B, FS-MO-8B				
1 Set= 3 pieces per tank M20	630–1,200	-	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	2,600–3,000	-	-	FA- 040A
6 Set= 10 pieces per tank M30	2,600–3,000	-	-	FA- 040B
Height adjustment for tank legs				
· KZE-/KZEK-tank				
1 Set= 8 pieces per tank M20	1,600–1,800	-	46131	-
2 Set= 8 pieces per tank M24	2,000–2,800	-	46129	-
3 Set= 10 pieces per tank M24	2,400–2,600	-	46132	-
4 Set= 8 pieces per tank M30	2,800–3,200	-	-	FA- 040A
5 Set= 10 pieces per tank M30	2,600–3,600	-	-	FA- 040B
6 Set= 12 pieces per tank M30	3,200–3,600	-	-	FA- 040C
7 Set= 10 pieces per tank M36	3,200	-	-	FA- 040F
8 Set= 12 pieces per tank M36	3,200–3,600	-	-	FA- 040G
9 Set= 14 pieces per tank M36	3,400–3,600	-	-	FA- 040H
10 Set= 16 pieces per tank M36	3,600	-	-	FA -040I
11 Set= 18 pieces per tank M36	3,600	-	-	FA- 040J
12 Set= 20 pieces per tank M36	3,600	-	-	FA- 040K

Pipes

ACCESSORIES PIPES (WELD-ON PIECES)

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

To cleaning
· FS-M0, AS-M0



Cleaning pipe

- Drawn off 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 ~ 11 m³/h
- Flow rate at 2.5 bar ~ 17 m³/h

Spray head DN 40

- Flow rate at 1.0 bar ~ 11 m³/h
- Flow rate at 2.5 bar ~ 19 m³/h

Spray head DN 50

- Flow rate at 1.0 bar ~ 28 m³/h
- Flow rate at 2.5 bar ~ 42 m³/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	30,000 liter tank capacity	2,200–2,400	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 |
|-------------|----------|---|---------|

To cleaning

· FD-1.2B, ZKG-1.2B, FD-2.5B, ZKG-2.5B



Spray head with spray head holder

- Spray head NW 10 for tank connection NW 25 at tank top
- | | | | |
|--------------------|----------|----------|---|
| 1 Connection G 1" | AISI 304 | 94180-01 | - |
| 2 Connection NW 25 | AISI 304 | 94180-02 | - |

To cleaning

· BD, FD, FD-S



Dome lid NW 220

with spray head NW 10





- | | | | |
|--------------------|----------|-------|---|
| 1 Connection G 1" | AISI 304 | 86162 | - |
| 2 Connection NW 25 | AISI 304 | 84360 | - |

ACCESSORIES PIPES (WELD-ON PIECES)

Item	Tank- \emptyset mm	Material	Order No. loose	Order No. mounted
To filling				
· FS-MO, RS-MO				
Filling pipe NW 50				
· Drawn off to operating 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				
· KZE-/KZEK-tank				
Ventilation pipe NW 40				
· Drawn off to operating height				
· Connection NW 40 DIN 11851				
1 Up to 10,000 liter tank capacity	1,600–2,600	AISI 304	-	KL-100A
2 Up to 20,000 liter tank capacity	1,600–3,200	AISI 304	-	KL-200A
3 Up to 50,000 liter tank capacity	2,200–3,600	AISI 304	-	KL-500A
4 Up to 125,000 liter tank capacity	3,000–3,600	AISI 304	-	KL-125B
To ventilation				
· FS-MO-8B				
Ventilation pipe NW 25				
· Drawn off to operating height				
· Connection NW 25 DIN 11851				
· H = + approx. 150 mm	1,000–1,600	AISI 304	-	EL-100A
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	AISI304	-	-
	900x1,400–1,500x2,000	AISI304	-	-
	1,400 x 1,400	AISI304	-	-
Cable guide pipe	from 1,000	AISI304	-	KR-100A

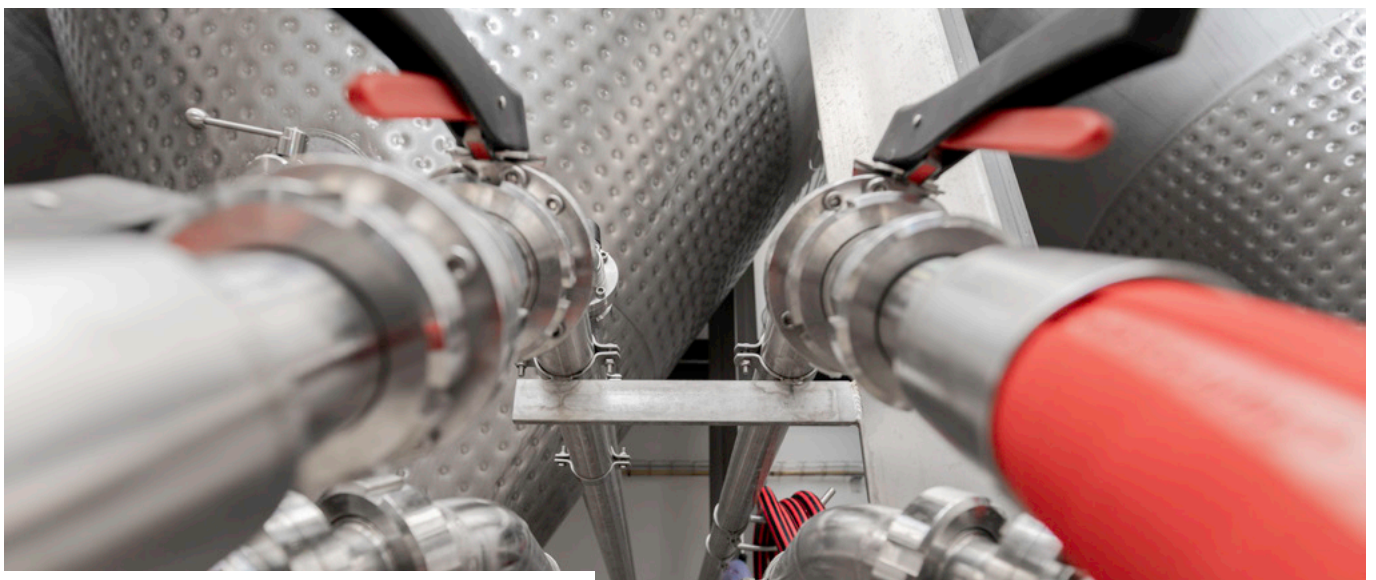


ACCESSORIES PIPES (SCREW-ON AND SPARE PARTS)

Item	Tank-ø mm	Material	Order No. loose	Order No. mounted	
Armature for ventilation pipe · KZE-/ KZEK-tank					
	KZE-armature with bevel seat gate valve NW 40 DIN 11851 · Left: block valve NW 10 DIN 11851 with sterile filter, filter case made of stainless steel · Right: block valve NW 10 DIN 11851 with manu-vacuum manometer, safety valve (operating pressure 0.5 bar)	1,600–3,600	AISI 304	-	KE -100A
	KZE-armature with disc valve NW 40 DIN 11851 · Left: block valve NW 10 DIN 11851 with sterile filter, filter case made of stainless steel · Right: block valve NW 10 DIN 11851 with manu-vacuum manometer, safety valve (operating pressure 0.5 bar)	1,600–3,600	AISI 304	-	KE -100B
	Adapter for fermentation glass	1,600–3,600	AISI 304	79779	-
	Fermentation glass for KZE-armature	1,600–3,600	glass	79778	-
Armature for ventilation pipe · FS-M0-8B					
	Sparkling wine armature with bevel seat gate valve NW 25 DIN 11851 · Left: block valve NW 10 DIN 11851 with manometer, incl. connection NW 20 with sealing cap for nitrogen supply · Right: safety valve (operating pressure 8.0 bar)	1,000–1,600	AISI 304	-	SA -100A
Filling support · KZE-/ KZEK-tank					
	Level detector (tester) · Welded on tank top with connection sleeve G ½" · Wire drawn off to operating height and protected by stainless steel cable tube · With connection plug SV 70	1,600–3,600		-	BH -100A
	Alarm device Audible signal transmitter for connection to filling support · With connection plug SV 70	1,600–3,600	plastic	97167	-



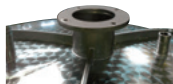
ACCESSORIES PIPES (SCREW-ON AND SPARE PARTS)

Item	Tank- \varnothing mm	Material	Order No. loose	Order No. mounted
 <p>Fittings for pressure-regulation for bunging apparatus · FD-1.2B, ZKG-1.2B, FD-2.5B, ZKG-2.5B, FS-MO-1B, FS-MO-3B, ZKG-3B</p>				
 <p>Pressure-regulation (Pico) up to 1.0 bar / 3.0 bar · For junction G 3/4" on cleaning pipe</p>	630–3,000	AISI 304	87712	-
 <p>Pressure-regulation (Kellerfee) up to 1.0 bar / 3.0 bar · For junction NW 25 DIN 11851 on cleaning pipe</p>	630–3,000	AISI 304	81457	-
 <p>Pressure-regulation (Vario) up to 1.0 bar / 3.0 bar · For junction NW 25 DIN 11851 on cleaning pipe</p>	630–3,000	AISI 304	83863	-
 <p>Pressure-regulation (Vario-Plus) up to 1.0 bar / 3.0 bar · For junction NW 25 DIN 11851 on cleaning pipe</p>	630–3,000	AISI 304	81493	-
<p>Fittings for pressure-regulation for bunging apparatus · FD-1.2B, ZKG-1.2B, FD-2.5B, ZKG-2.5B</p>				
 <p>T-adapter piece · For CO₂-connection / shut-off tap and bunging apparatus · Lateral 2 x AG 3/4" · At bottom NW 25 for the connection to the tank nozzle on tank top</p>	-	-	87711	
 <p>CO₂-shut-off tap · Fits on T-adapter piece or for gland G 3/4" e. g. on cleaning pipe · IG-AG 3/4"</p>	-	-	87986	






Stirring device connections, flanges and supplementary threads

STIRRING DEVICE CONNECTIONS / FLANGES / SUPPLEMENT CONNECTIONS (WELD-ON PIECES)


Item	Tank- \emptyset mm	Material	Order No. loose	Order No. mounted	
Stirring device connection slanted					
	Stirring device connection, slanted welding				
	1 NW 40	1,000–3,600	AISI 304	- KA-121M	
	2 NW 50	1,000–3,600	AISI 304	- KA-121N	
Instead of stirring device connection AG 37 W 47x1/9" · S0-Z, R0-Z					
Stirring device connection neck					
1 External thread NW 40 DIN 11851 Sealing: NBR	820–1,200	AISI 304	-	RW-160B	
2 External thread NW 50 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	
To stirring device					
	Stirring device flange on the side				
	<ul style="list-style-type: none"> · 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 bubbles 				
	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	1,600–3,600	AISI 304	-	FL -150A
	5 Flange-DN 200	1,600–3,600	AISI 304	-	FL -200A
6 Flange-DN 250	1,600–3,600	AISI 304	-	FL -250A	
	Stirring device flange at tank top				
	<ul style="list-style-type: none"> · 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.					



STIRRING DEVICE CONNECTIONS / FLANGES / SUPPLEMENT CONNECTIONS (WELD-ON PIECES)



Item	Tank- \emptyset mm	Material	Order No.		
			loose	mounted	
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	820-3,600	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	820-3,600	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	
	CO₂-stone				
	· removable from the outside				
	· incl. gland NW 25 DIN 11851 with Sealing NBR on the tank bottom / Cone bottom, gas connection AG G 3/4"				
	1,000-3,600	AISI304	-	GS -091B	

ACCESSORIES DOUBLE JACKET (SCREW-ON AND SPARE PARTS)

Item	Tank- \emptyset mm	Material	Order No.		
			loose	mounted	
	Adapter nozzle				
	· For double jacket connection G1" male thread				
	· Adapter with connection G1" female thread				
	1 Outlet G $\frac{1}{2}$ " AG	-	AISI304	93298	-
	2 Outlet G $\frac{3}{4}$ " AG	-	AISI304	93300	-
	3 Outlet clamp DN25	-	AISI304	66702	-
	4 Outlet NPT	-	AISI304	83672	-
5 Gardena	-	AISI304	66685	-	
6 Outlet NW 25 DIN 11851	-	AISI304	69496	-	




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 · FD-MBT</p>	
<p>Automatic temperature regulation with target indicator and actual indicator · Mash heating: Desired start temperature for fermentation – insert target value "heating". The heater switches off automatically if the target value is reached. · Mash cooling: In order to avoid exceeding the desired fermentation temperature insert target value "cooling". The cooler is switched on automatically via a solenoid valve and cools down the mash till it reaches or maintains the desired fermentation temperature. · Version including solenoid valves · Connection to locally available warm water / cold water source</p>	DMS -1
<p>Crush rods · FD-MBT</p>	
<p>Crush rods · Vertical crush rods, laterally welded on tank shell, for better mixing of the mash 1 Up to 10,000 liter tank capacity 2 Up to 20,000 liter tank capacity 3 Up to 30,000 liter tank capacity</p>	BS-100A BS-100B BS-100C
 <p>Alarm device · KZE-/KZEK-tank</p>	
<p>Alarm device with visual and audible signal transmitter · For connection to level detector · Alarm horn with warning light, movably mounted on a bracket</p>	88329

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

ACCESSORIES (MISCELLANEOUS)

Item	Tank- \emptyset mm	Material	Order No. loose	Order No. mounted
 <p>Handles</p>				
<p>Handle protection for UF drums</p>	280 - 440	plastic	77456	-
 <p>Insulation</p>				
<p>Neoprene sleeve</p>				
1 For UF fermentation and storage barrel 15 liter	280	Neoprene	94137	-
2 For UF fermentation and storage barrel 30 liter	350	Neoprene	94130	-
3 For UF fermentation and storage barrel 60 liter	350	Neoprene	94131	-
 <p>Neoprene sleeve</p>				
1 For pressure tank ZKG 60 litres	350	Neoprene	50133	-
2 For pressure tank ZKG 120 litres	440	Neoprene	50134	-
3 For pressure tank ZKG 240 litres	550	Neoprene	50119	-
4 For pressure tank ZKG 625 litres	820	Neoprene	50131	-
5 For pressure tank ZKG 1.200 litres	1,000	Neoprene	50132	-

ACCESSORIES (MISCELLANEOUS)

	Item	Tank- \emptyset mm	Material	Order No. loose	Order No. mounted
NEW	 <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			
NEW	 <p>Coloured double jacket</p> <ul style="list-style-type: none"> · Black, blue, red · For projects, color deviations possible 	1,000–2,000	AISI304	-	DPM-100C
	 <p>Seal welded insulation</p> <ul style="list-style-type: none"> · Completely insulated tank · Insulation material mineral wool / armaflox · Casing with stainless steel sheet, AISI304, marbled outside / IIIc · Lengthwise and crosswise seal welded joints 	1,000–3,000	-	-	ISO-100A
	 <p>Riveted / screwed insulation</p> <ul style="list-style-type: none"> · Completely insulated tank · Insulation material mineral wool / armaflox · Casing with stainless steel sheet, AISI304, marbled outside / IIIc · Riveted and screwed lengthwise and crosswise joints 	1,000–3,000	-	-	ISO -200A
	 <p>Tank labelling</p> <hr/> <p>Sticker for tank labelling</p>	820–3,600	-	83978	-
NEW	 <p>Individual nameplate</p> <ul style="list-style-type: none"> · Laser-engraved on stainless steel, colored background · Screwed onto bracket on tank 	from 1,000	AISI304	-	NAS-100A
	<p>Inspection costs ATEX</p> <hr/> <ul style="list-style-type: none"> · Incl. documentation per tank variant 	-	-	00038	-
	<p>Inspection costs for calibratable level indicator</p> <hr/> <ul style="list-style-type: none"> · Incl. documentation · Costs for Office of Weights and Measures 	-	-	00039-01 00039-02	-
	<p>Tank approval</p> <hr/> <ul style="list-style-type: none"> · For pressure tanks in accordance with the guideline for pressure device 2014 / 68 / EU 				
	 <p>TÜV-test with documentation</p> <hr/> <ul style="list-style-type: none"> 1 For each tank 2 One only for each entire order 	1,000–3,000 1,000–3,000	-	TÜV-001 TÜV-002	-
	<p>Additional costs for modification</p> <hr/> <ul style="list-style-type: none"> In case of variations from the listed version (plus additional costs of the structural element) 	350–820 1,000–3,000 900×1,400–1,500×2,000 1,400×1,400	-	00024 00019	-