

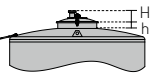
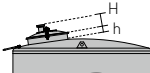
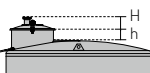
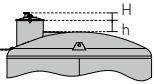



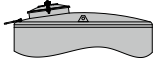
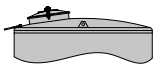


# >> Ventilation











## ACCESSORIES VENTILATION (WELD-ON PIECES)

Item	Tank- $\varnothing$ mm	Material	Order No. loose	Order No. mounted			
<b>For dome lid</b> For BD, FD							
	<b>Stainless steel vent connection AGG 1 1/2" (BSP) in lid with sealing cap</b> > Instead of drilled hole $\varnothing$ 38 mm with plastic blank cap						
	440-820	AISI304	-	OB041D			
<b>Instead of filling and vent connection external thread NW50 Rd 78x1/6"</b> For FS-M0, AS-M0							
	<b>Filling and vent connection</b>						
	1 External thread NW 65 Rd 95x 1/6"	820-3,600	AISI316	-	ES-080H		
	2 External thread 40 Macon	820-3,600	AISI316	-	ES-080D		
	3 Additional external thread 70 Macon	820-3,600	AISI316	-	ES-080C		
	4 Clamp 2"	820-3,600	AISI316	-	ES-080L		
<b>Dome "pressureless"</b>							
<b>Filler neck located in the centre of the tank top</b>			<b>Pay attention for sufficient space/height for the opening and handling of the domes.</b>				
> Tank top without moulded channel							
> Flap lid with NW 50, external thread Rd 78x 1/6"							
	1 NW400, h= 65 mm, H=approx. 195 mm	820-3,600			AISI316	-	OB-040L
	2 NW400, h=200 mm, H=approx. 330 mm	820-3,600			AISI316	-	OB-040R
	3 NW600, h=100 mm, H=approx. 230 mm	1,000-3,600			AISI316	-	OB-040Z
	4 NW600, h=200 mm, H=approx. 330 mm	1,000-3,600			AISI316	-	OB-041F
	5 NW800, h=105 mm, H=approx. 160 mm (with filler neck protection)	1,400-3,600			AISI316	-	OB-041A
	6 NW1,000, h=200 mm, H=approx. 300 mm (with filler neck protection)	1,600-3,600			AISI316	-	OB-041H
<b>Filler neck located in the tank top in a forward position</b>							
> Tank top without moulded channel for complete deaeration							
> Flap lid with NW50, external thread Rd 78x 1/6"							
	1 NW200, h= 85 mm, H=approx. 185 mm	1,000-1,400	AISI316	-	OB-040X		
	2 NW400, h= 65 mm, H=approx. 165 mm	1,000-3,600	AISI316	-	OB-040F		
	3 NW600, h=100 mm, H=approx. 230 mm	1,000-3,600	AISI316	-	OB-040Y		
<b>Filler neck located in the tank top in a forward upright position</b>							
> Tank top with moulded channel for complete deaeration							
> Flap lid with NW50, external thread Rd 78x 1/6"							
	1 NW200, h=approx. 150 mm, H=approx. 270 mm	1,000-2,000	AISI316	-	OB-041B		
	2 NW400, h=approx. 150 mm, H=approx. 270 mm	Rectangular tanks dto.	AISI316	-	OB-0400		
	3 NW600, h=approx. 150 mm, H=approx. 270 mm	1,400-2,000	AISI316	-	OB-041C		
	Rectangular tanks						

## ACCESSORIES VENTILATION (WELD-ON PIECES)

Item	Tank- $\varnothing$ mm	Material	Order No. loose	Order No. mounted
 <p><b>Filler neck located in the tank top in a forward upright position, with vent channel</b></p> <ul style="list-style-type: none"> <li>&gt; Tank top without moulded channel</li> <li>&gt; Flap lid with NW50, external thread Rd 78 x 1/6" NW400, h= approx. 200mm, H=approx. 320mm</li> </ul>	2,200–3,600	AISI316	-	OB-040T
 <p><b>Filler neck in flap lid instead of NW50 Rd 78 x 1/6"</b></p> <ul style="list-style-type: none"> <li>1 Connection external thread 40 Macon</li> <li>2 Clamp 2"</li> </ul>	820–3,600 820–3,600	AISI316 AISI316	- -	ES-080D ES-080L
 <p><b>Vent outlet</b></p> <ul style="list-style-type: none"> <li>&gt; With filling and vent connection NW50 Rd 78 x 1/6"</li> </ul>	2,200–3,600	AISI316	-	OB-040U
 <p><b>Drain outlet</b></p> <ul style="list-style-type: none"> <li>&gt; With drain outlet elbow NW50 DIN 11851</li> </ul>	2,200–3,600	AISI304	-	RA-151H
<b>Dome "pressure"</b>				
 <p><b>Filler neck located in the tank top in a forward position, 1,0 bar</b></p> <ul style="list-style-type: none"> <li>&gt; Tank top without moulded channel for complete deaeration</li> <li>&gt; With flap lid</li> <li>&gt; Pressure stability 1,0bar</li> <li>&gt; NW400, h=65 mm, H=approx. 165 mm</li> </ul>	1,000–3,600	AISI316	-	OB-042A
 <p><b>Filler neck located in the tank top in a forward upright position</b></p> <ul style="list-style-type: none"> <li>&gt; Tank top without moulded channel for complete deaeration</li> <li>&gt; With flap lid</li> <li>&gt; Pressure stability 3,0bar</li> <li>&gt; NW400, h=65 mm, H=approx. 165 mm</li> </ul>	1,000–3,600	AISI316	-	OB-042B

## ACCESSORIES VENTILATION (SCREW-ON AND SPARE PARTS)















Item	Tank- $\emptyset$ mm	Material	Order No. loose	Order No. mounted
<p><b>For dome lid</b> For BD, FD</p>				
 <p><b>Complete replacement lid</b>                      › New version with inner bracket closing                      › With drilled hole <math>\emptyset</math> 38 mm and plastic blank cap to hold the fermentation lock with bung</p>	440-820	-	75555	-
 <p><b>Fermentation lock with bung</b></p>	440-820	plastic rubber	21010	-
<p><b>To filling and vent connection</b>                      external thread NW50 Rd 78x1/6"                      For FS-M0, AS-M0</p>				
 <p><b>Fermentation tube with 2 compartments including bung, straight version for tank capacity</b></p>				
1 Up to 10,000 litres	550-2,000	acrylic/ rubber	80430	-
2 From 10,000 litres upwards	2,200-3,600		84874	-
 <p><b>Fermentation tube with 2 compartments including bung, inclined version for tank capacity</b></p>				
1 Up to 10,000 litres	820-2,000	acrylic/ rubber	70371	-
2 From 10,000 litres upwards	2,200-3,600		84874	-
 <p><b>Pressure compensating valve (spring-loaded) NW50 DIN 11851</b></p>	820-3,600	plastic	60911	-
 <p><b>Feed hopper</b></p>	820-3,600	plastic	46950	-
<p><b>To dome</b>                      For BD, FD, FS-M0, AS-M0</p>				
 <p>1 Sealing for dome lid type BD/FD old version</p>	-	-	60094	-
 <p>2 Sealing for dome lid type BD/FD new version</p>	-	-	74914	-
3 Sealing for filler neck NW200	-	-	81769	-
4 Sealing for filler neck NW400	-	-	81770	-
5 Sealing for filler neck NW600	-	-	81756	-
<p><b>To open top tanks</b></p>				
 <p><b>Dust lid</b>                      For FO, BO, SO-Z, KO, RO-Z</p>	440	AISI304	70323	-
	550	AISI304	70324	-
	630	AISI304	70325	-
	820	AISI304	70326	-
	1,000	AISI304	70327	-
	1,200	AISI304	70328	-
	1,400	AISI304	68962	-
 <p><b>Sack support</b>                      for SO-Z, RO-Z</p>				
1 For tank 530 litres	820	AISI304	70319	-
2 For tank 750 litres	1,000	AISI304	70320	-
3 For tank 1,000 litres	1,200	AISI304	70321	-

## » Racking outlet and bottom outlet







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

Item	Tank- $\varnothing$ mm	Material	Order No.	Order No.	
			loose	mounted	
<b>To racking outlet drilled hole 48 mm</b>					
For FS-MO, AS-MO					
<b>Weld-on gland with thread</b>					
	1 NW 40 DIN 11851	630-820	AISI304	-	KA- 120C
	2 NW 50 DIN 11851	630-3,600	AISI304	-	KA- 120D
	3 NW 65 DIN 11851	820-3,600	AISI304	-	KA- 120L
	4 NW 80 DIN 11851	1,000-3,600	AISI304	-	KA- 121C
	5 NW100 DIN 11851	1,000-3,600	AISI304	-	KA- 120X
	6 NW 125 DIN 11851	1,000-3,600	AISI304	-	KA- 120Y
	7 Clamp 1 1/2"	820-3,600	AISI304	-	KA- 120Z
	8 Clamp 2"	820-3,600	AISI304	-	KA- 121D
	9 Clamp 2 1/2"	820-3,600	AISI304	-	KA- 121E
	10 NW 50 with flange 100x100	820-3,600	AISI304	-	KA- 120E
<b>Instead of bottom outlet external thread</b>					
<b>NW40 DIN 11851</b>					
For FO, FS-MO, AS-MO					
<b>Weld-on bow</b>					
	1 NW50 DIN 11851	630-820	AISI304	-	RA- 150B
	2 NW65 DIN 11851	820	AISI304	-	RA- 150G
	3 NW50 with flange 100x100	820	AISI304	-	RA- 150C
	4 Clamp 1 1/2"	630-820	AISI304	-	RA- 151B
	5 Clamp 2"	630-820	AISI304	-	RA- 151C
<b>Instead of bottom outlet external thread</b>					
<b>NW50 DIN 11851</b>					
For FO, FS-MO, AS-MO					
<b>Weld-on bow</b>					
	1 NW 40 DIN 11851	820-3,600	AISI304	-	RA- 150A
	2 NW 65 DIN 11851	820-3,600	AISI304	-	RA- 150G
	3 NW 80 DIN 11851	1,000-3,600	AISI304	-	RA- 150X
	4 NW 100 DIN 11851	1,000-3,600	AISI304	-	RA- 150Y
	5 MG 90	1,000-3,600	AISI304	-	RA- 150Z
	6 NW 50 with flange 100x100	820-3,600	AISI304	-	RA- 150C
	7 Clamp 1 1/2"	820-3,600	AISI304	-	RA- 151B
	8 Clamp 2"	820-3,600	AISI304	-	RA- 151C
	9 Clamp 2 1/2"	820-3,600	AISI304	-	RA- 151D
	10 Macon 40	820-3,600	AISI304	-	RA- 151I
<b>As racking outlet</b>					
<b>Racking outlet neck in tank bottom</b>					
1 With outlet NW40 DIN 11851	630-3,000	AISI304	-	KA- 121G	
2 With outlet NW50 DIN 11851	630-3,000	AISI304	-	KA- 121H	
3 With outlet Clamp 1 1/2"	630-3,000	AISI304	-	KA- 121I	
4 With outlet Clamp 2"	630-3,000	AISI304	-	KA- 121J	
5 Yeast plug inside bottom outlet neck	630-3,000	AISI304	-	HS- 100-A	

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

	Item	Tank- $\varnothing$ mm	Material	Order No. loose	Order No. mounted
	<b>Taps etc. G3/4"</b> For BD, FD, BO, FO				
	Drain valve G3/4" (BSP) with counter nut	350-550	AISI304	65276	-
	Drain valve G3/4" (BSP)	350-550	red brass chrome-plated	65079	-
	Ball valve AG/AG G3/4" (BSP)	350-550	AISI304	75104	-
	Drain valve G3/4" (BSP)	350-550	plastic	21013	-
	Blank bung G3/4" (not shown)	350-550	plastic	60068	-
	<b>Taps etc. G1"</b> For BD, FD, BO, FO1				
	Sealing cap G1" (BSP)	630-820	AISI304	64938	-
	Drain valve with cap nut G1" (BSP)	630-820	AISI304	65277	-
	Ball valve AG G1" (BSP)	630-820	AISI304	64939	-
	Outlet elbow 90° with cap nut G1" (BSP)	630-820	plastic	64852	-
	Transmission: IG1" outgoing unit WKN	630-820	AISI304	67832	-
	Transmission: IG1" outgoing unit MZR	630-820	AISI304	67833	-
	<b>Taps etc. G1 1/4"</b> For BD, FD, BO, FO1				
	Ball valve outlet AG G1 1/4" (BSP)	630-820	AISI304	64940	-
	Ball valve outlet IG G1 1/4" (BSP)	630-820	AISI304	64941	-
	Sealing cap G1 1/4" (BSP)	630-820	AISI304	64960	-
	<b>Taps etc. G2 1/2"</b>				
	Sealing cap G2 1/2" (BSP)	-	AISI304	63921	-
	Ball valve NW65 IG G2 1/2" (BSP)	-	Ms-tin-coated	64944	-
	Bolt connection NW65 AG G2 1/2" x AG Rd95 x 1/6"	-	AISI304	65094	-

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

Item	Tank- $\varnothing$ mm	Material	Order No. loose	Order No. mounted	
<b>To racking outlet thread and bottom outlet thread</b>					
For FO, FO2, FS-MO, AS-MO, RS-MO, RA-MO					
<b>Sealing cap</b>					
	1 NW25 DIN 11851	630-3,000	AISI304	64524	-
	2 NW40 DIN 11851	630-3,000	AISI304	62982	-
	3 NW50 DIN 11851	1,000-3,000	AISI304	62983	-
	4 NW65 DIN 11851	1,000-3,000	AISI304	65475	-
	5 Gr. 37 W47 x 1/9"	-	AISI304	63969	-
	6 Macon 40	-	AISI304	68380	-
	7 G 1 1/4"	-	AISI304	64960	-
	8 3/4"	630-3,000	AISI304	76493	-
<b>Disc valve NW40 with security locking device and sealing caps with chain</b>					
	1 Outlet NW40 DIN 11851	630-820	AISI304	61375	-
	2 Outlet WKN	630-820	AISI304	61376	-
	3 Outlet Mzr. 32	630-820	AISI304	61377	-
	4 Outlet Pfälzer 38	630-820	AISI304	63008	-
<b>Disc valve NW50 with security locking device and sealing caps with chain</b>					
	1 Outlet NW40 DIN 11851	1,000-3,600	AISI304	64948	-
	2 Outlet NW50 DIN 11851	1,000-3,600	AISI304	64945	-
	3 Outlet WKN	1,000-3,600	AISI304	64946	-
	4 Outlet Mzr. 32	1,000-3,600	AISI304	63109	-
	5 Outlet Pfälzer 38	1,000-3,600	AISI304	64947	-
<b>Disc valve with security locking device and sealing caps with chain</b>					
	1 NW25 DIN 11851	630-3,600	AISI304	66417	-
	2 NW32 DIN 11851	630-3,600	AISI304	66418	-
	3 NW65 DIN 11851	630-3,600	AISI304	66235	-
	4 NW80 DIN 11851	1,000-3,600	AISI304	72747	-
	5 Clamp 1 1/2"	550-3,600	AISI304	79567	-
	6 Clamp 2"	550-3,600	AISI304	79568	-
	7 Clamp 2 1/2"	550-3,600	AISI304	79569	-
<b>Disc valve for fermentation tank FD/ Pressure tanks</b>					
	> IG-AG 1", AISI304	550-820	AISI304	87882	-
<b>Bevel seat valve</b>					
	> With sealing cap and chain				
	1 NW40 DIN 11851	1,000-1,600	AISI304	81606	-
	2 NW50 DIN 11851	1,000-1,600	AISI304	80738	-

Open top tanks

Closed tanks



Tanks for mixing, transportation and storage

Pressure tanks

Cooling and heating


Accessories

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




Item	Tank-ø	Material	Order No.	Order No.	
	mm		loose	mounted	
<b>Ball valves with sealing cap with chain</b>					
› Cap nut on tank side/outlet AG on tank side					
	1 NW 25 DIN 11851	-	AISI304	66420	-
	2 NW 32 DIN 11851	-	AISI304	66421	-
	3 NW 40 DIN 11851	-	AISI304	65797	-
	4 NW 50 DIN 11851	-	AISI304	65158	-
	5 NW 65 DIN 11851	-	AISI304	65159	-
	6 NW 80 DIN 11851	-	AISI304	66413	-
	7 NW 100 DIN 11851	-	AISI304	66414	-
	8 NW 125 DIN 11851	-	AISI304	65684	-
	9 MG 90	-	AISI304	65539	-
	10 Clamp 1 1/2"	-	AISI304	79571	-
	11 Clamp 2"	-	AISI304	79572	-
	12 Clamp 2 1/2"	-	AISI304	79573	-
<b>To bottom outlet</b>					
For FS-M0-3B-ZKG					
<b>Racking and bottom outlet valve</b>					
› H= + approx. 250 mm					
	1 NW40/40				
	› Connection to cone NW40 DIN 11851				
	› Outlets NW 40 DIN 11851 including bow 90° for racking and bottom outlet connection (plus disc valve)				
	2 NW50/40	-	AISI304	88862	
	› Connection to cone NW50 DIN 11851				
	› Outlets NW40 DIN 11851 including bow 90° for racking and bottom outlet connection (plus disc valve)				
3 NW50/50	-	AISI304	88863		
› Connection to cone NW50 DIN 11851					
› Outlets NW50 DIN 11851 including bow 90° for racking and bottom outlet connection (plus disc valve)					
		AISI304	88864		
<b>To racking outlet</b>					
For FD-1,2B-ZKG					
<b>Swivelling valve G1"</b>					
› From 120 to 625 litres		AISI304	86905		

## » Sampling

### ACCESSORIES SAMPLING (WELD-ON PIECES)

Item	Tank- $\varnothing$ mm	Material	Order No. loose	Order No. mounted
 <p><b>Sampling</b> For F0, F01, F02</p>				
<p><b>Weld-on thread</b></p> <p>1 NW 10 DIN 11851</p> <p>2 NW 20 DIN 11851</p>	630-2,000	AISI 304	-	PE-100A
	630-2,000	AISI 304	-	PE-100E

### ACCESSORIES SAMPLING (SCREW-ON AND SPARE PARTS)


Item	Tank- $\varnothing$ mm	Material	Order No. loose	Order No. mounted
 <p><b>Sampling</b> For F0, F01, F02, FS-M0, AS-M0</p>				
<p><b>Sampling tap with cap nut</b></p> <p>1 NW 10 DIN 11851</p> <p>2 NW 20 DIN 11851</p>	630-2,000	AISI 304	64949	-
	630-2,000	AISI 304	65583	-
<p><b>Sealing kit</b></p> <p>1 Sampling tap NW10/1/2"</p> <p>2 Sampling tap NW20</p>	-	-	45506	-
	-	-	84712	-
 <p><b>Sampling tap with cap nut</b> <b>NW 10 DIN 11851</b></p> <ul style="list-style-type: none"> <li>› Flame-resistant</li> <li>› With connection thread for knuckle spiral</li> </ul>	630-3,000	AISI 304	83922	-
 <p><b>VA Knuckle spiral</b></p> <ul style="list-style-type: none"> <li>› For froth-less sampling</li> <li>› Flame-resistant</li> </ul>			83866	-







## » Fill level indication

### ACCESSORIES LEVEL INDICATION (WELD-ON PIECES)

Item	Tank-ø mm	Material	Order No. loose	Order No. mounted
 <p><b>To fill level</b> For FO, F02</p> <p><b>Weld-on thread NW 10 DIN 11851</b></p>				
	630–2,000	AISI304	-	FS-130A

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

Item	Tank-ø mm	Material	Order No. loose	Order No. mounted
 <p><b>To fill level</b> For FO, F02</p> <p><b>Fill level indicator NW 10</b></p> <ul style="list-style-type: none"> <li>&gt; Weld-on thread NW 10 and fastening points</li> <li>&gt; Sight glass valve NW 10 DIN 11851</li> <li>&gt; Acrylic glass clear-view pipe NW 10</li> <li>&gt; Stainless steel protection strip with litres scale</li> </ul> <p><b>1</b> Up to 999 litres tank capacity</p> <p><b>2</b> Up to 4,999 litres tank capacity</p> <p><b>3</b> Up to 10,000 litres tank capacity</p> <p><b>4</b> Up to 15,200 litres tank capacity</p> <p><b>5</b> Up to 999 litres tank capacity</p> <p><b>6</b> Up to 4,999 litres tank capacity</p> <p><b>7</b> Up to 10,000 litres tank capacity</p> <p><b>8</b> Up to 15,200 litres tank capacity</p> <p>When ordering level indicator "loose" please also mention the type of tank and the tank's capacity along with the Order No.</p>				
 <p><b>Fill level indicator NW 20</b></p> <ul style="list-style-type: none"> <li>&gt; Weld-on thread NW 20 and fastening points</li> <li>&gt; Sight glass valve NW 20 DIN 11851</li> <li>&gt; Acrylic glass clear-view pipe NW 20</li> <li>&gt; Stainless steel protection strip with litres scale</li> </ul> <p><b>1</b> Up to 4,999 litres tank capacity</p> <p><b>2</b> Up to 10,000 litres tank capacity</p> <p><b>3</b> Up to 15,200 litres tank capacity</p> <p><b>Sealing kit for sight glass valve</b></p> <p><b>1</b> NW 10/1/2"</p> <p><b>2</b> NW 20</p> <p><b>Sight glass valve</b></p> <p><b>1</b> NW 10</p> <p><b>2</b> 1/2"</p>				

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

Item	Tank- $\varnothing$ mm	Material	Order No. loose	Order No. mounted
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**To fill level**

For FS-M0, AS-M0

**Fill level indicator NW10**

- > Weld-on thread NW10 and fastening points
- > Sight glass valve NW10 DIN11851
- > Acrylic glass clear-view pipe NW10
- > Stainless steel protection strip with litres scale

1 Up to 999 litres tank capacity	820–1,000	AISI304	FSA*	FS- 130G
2 Up to 4,999 litres tank capacity	820–2,000	AISI304	FSA*	FS- 130H
3 Up to 10,000 litres tank capacity	1,400–1,600	AISI304	FSA*	FS- 130I
4 Up to 20,000 litres tank capacity	1,800–3,600	AISI304	FSA*	FS- 130K
5 Up to 50,000 litres tank capacity	2,000–3,600	AISI304	FSA*	FS- 130P
6 Up to 100,000 litres tank capacity	2,000–3,600	AISI304	FSA*	FS- 131Z

When ordering level indicator "loose" please also mention the type of tank and the tank's capacity along with the Order No.

**Fill level indicator NW20**

- > Weld-on thread NW20 und and fastening points
- > Sight glass valve NW20 DIN11851
- > Acrylic glass clear-view pipe NW20
- > Stainless steel protection strip with litres scale



1 Up to 999 litres tank capacity	820–1,000	AISI304	-	FS- 130U
2 Up to 4,999 litres tank capacity	820–2,000	AISI304	-	FS- 130V
3 Up to 10,000 litres tank capacity	1,400–2,600	AISI304	-	FS- 130W
4 Up to 20,000 litres tank capacity	1,800–3,600	AISI304	-	FS- 130X
5 Up to 50,000 litres tank capacity	2,000–3,600	AISI304	-	FS- 130Y
6 Up to 100,000 litres tank capacity	2,000–3,600	AISI304	-	FS- 130A

**Fill level indicator NW20**

- > Calibratable with millimeter scale and type plate

1 Up to 999 litres tank capacity	820–1,000	AISI304	-	FS- 130L
2 Up to 4,999 litres tank capacity	820–2,000	AISI304	-	FS- 130M
3 Up to 10,000 litres tank capacity	1,400–2,600	AISI304	-	FS- 130N
4 Up to 20,000 litres tank capacity	1,800–3,600	AISI304	-	FS- 130O
5 Up to 33,000 litres tank capacity	2,000–3,600	AISI304	-	FS- 130Q

**Genuine glass pipe for fill level indicator NW10 (surcharge)**

1 Up to 999 litres tank capacity	820–1,000	glass	-	EGR- 101
2 Up to 4,999 litres tank capacity	820–1,000	glass	-	EGR- 102

**Genuine glass pipe for fill level indicator NW20 (surcharge)**

1 Up to 999 litres tank capacity	820–1,000	glass	-	EGR- 201
2 Up to 4,999 litres tank capacity	820–1,000	glass	-	EGR- 202

For pressure tank FS-M0-1B, FS-M0-3B, FS-M0-3B-ZKG

**Fill level indicator NW10**

- > With litres scale
- > Closed version

1 Up to 999 litres tank capacity	630–1,000	AISI304	-	FS- 130G
2 Up to 4,999 litres tank capacity	1,000–1,400	AISI304	-	FS- 130H
3 Up to 10,000 litres tank capacity	1,900–2,600	AISI304	-	FS- 130I
4 Up to 20,000 litres tank capacity	2,000–3,000	AISI304	-	FS- 130K
5 Up to 50,000 litres tank capacity	2,200–3,000	AISI304	-	FS- 130P

**Connection between cleaning pipe and fill level indicator**

630–3,000	AISI304	-	VL- 50A
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# » Temperature measurement

## ACCESSORIES TEMPERATURE MEASUREMENT (WELD-ON PIECES)

### For local temperature regulation

for FO, 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 and 1,100x1,600)

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 und 1,100x1,600)


T7=Front right beside level indicator, Level indicator on standard position

Height always according to position standard temperature measurement







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

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

## ACCESSORIES TEMPERATURE MEASUREMENT (WELD-ON PIECES)

Item	Tank- $\emptyset$ mm	Material	Order No. lose	Order No. mounted	
<b>To temperature measurement</b> For FS-M0, AS-M0, MS-M0					
	<b>Bi-metal dial thermometer 100 mm <math>\emptyset</math></b> > Measuring range -20°C to +60°C > For threaded sleeve > Weld-on thread NW 10 DIN 11851				
	1 For threaded sleeve, L = 125 mm	820-3,600	AISI304	-	TM-140C
	2 For threaded sleeve, L = 250 mm	820-3,600	AISI304	-	TM-140D
	<b>Bi-metal dial thermometer 100 mm <math>\emptyset</math></b> > Measuring range -20°C to +60°C > For threaded sleeve, L = 250 mm > Weld-on thread NW 10 DIN 11851				
	820-3,600	AISI304	-	TM-140E	
For pressure tank FS-M0-1B, FS-M0-3B					
<b>Bi-metal dial thermometer 100 mm <math>\emptyset</math></b> > Measuring range -20°C to +60°C > For threaded sleeve to thermometer					
	630-3,000	AISI304	-	TM-140F	

## ACCESSORIES TEMPERATURE MEASUREMENT (SCREW-ON AND SPARE PARTS)

Item	Tank- $\emptyset$ mm	Material	Order No. loose	Order No. mounted	
<b>To temperature measurement</b> For FO, FS-M0, AS-M0					
	<b>Bi-metal dial thermometer 100 mm <math>\emptyset</math></b> > Measuring range -20°C to +60°C				
	1 For threaded sleeve, L = 125 mm	820-3,600	AISI304	63887	-
	2 For threaded sleeve, L = 125 mm	820-3,600	AISI304	83975	-
	<b>Bi-metal dial thermometer 100 mm <math>\emptyset</math></b> > Measuring range in °C and °Fahrenheit > For threaded sleeve, L = 125 mm				
	820-3,600	AISI304	73558	-	
	<b>Angled thermometer made of stainless steel</b> > Measuring range -5 °C to +25 °C				
	630-3,000	AISI304	76939	-	
	<b>Threaded sleeve to thermometer</b>				
	1 L = 125 mm	820-3,600	AISI304	64071	-
	2 L = 250 mm	820-3,600	AISI304	83976	-
For FD-1.2B, FD-1.2B-ZKG					
	<b>"Chilly" wort chiller 1,7kW</b> > Temperature -10°C to +25°C > Hose connector set to fermentation tank				
	240 litres/525 litres/625 litres/Pressure tanks	-	-	72905	-
		-	-		
	<b>Fermentation temperature-regulating system FermFlex</b>				
		-	-	77375	-


## » Manhole

### ACCESSORIES MANHOLE (WELD-ON PIECES)

Item	Tank- $\emptyset$ mm	Material	Order No. loose	Order No. mounted
<p><b>Manhole</b> For FO</p> <p><b>Manhole neck</b>            › Seamlessly moulded out of tank shell            420x320 mm LW            › Door with food-safe sealing, gap-free            and vulcanised, butterfly bow and hand            wheel</p>	800–3,000	AISI304	-	ML-110A



### ACCESSORIES MANHOLE (SCREW-ON AND SPARE PARTS)

Item	Tank- $\emptyset$ mm	Material	Order No. loose	Order No. mounted
For BD/FD, FS-M0, AS-M0, MS-M0, RS-M0, RA-M0				
 <p>1 Sealing to be slipped over for standard manhole</p> <p>2 Sealing to be slipped over for small manhole</p> <p>3 Sealing to be slipped over for manhole, Zimmerlin</p> <p>4 Sealing to be glued in place for standard manhole</p> <p>5 Sealing to be glued in place for small manhole</p> <p>6 Glue Terokal 58gr.</p>	<p>420x320</p> <p>320x250</p> <p>340x440</p> <p>420x320</p> <p>320x250</p> <p>-</p>	<p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p>	<p>79028</p> <p>81485</p> <p>81353</p> <p>60786</p> <p>62593</p> <p>65389</p>	<p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p>



## » Legs

### ACCESSORIES LEGS (WELD-ON PIECES)


Item	Tank- $\emptyset$ mm	Material	Order No. loose	Order No. mounted
<p><b>Tank legs</b> For FO, FS-M0, MS-M0</p> <p>1 Short version standard -100 mm</p> <p>2 Long version standard +92 mm</p> <p>3 Long version standard +219 mm</p> <p>4 Long version standard +176 mm</p> <p>5 Long version standard +168 mm</p> <p>6 Long version standard +138 mm</p> <p>7 Long version standard +136 mm</p> <p>8 Long version standard +96 mm</p> <p>9 Short version standard -100 mm</p> <p>10 Long version standard +100 mm</p> <p>Special leg lengths available on request in increments of approx. 100 mm</p>	<p>820–2,000</p> <p>820</p> <p>1,000</p> <p>1,200</p> <p>1,400</p> <p>1,600</p> <p>1,800</p> <p>2,000</p> <p>2,200–3,000</p> <p>2,200–3,000</p>	<p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p>	<p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p>	<p>FA-030B</p> <p>FA-030C</p> <p>FA-030C</p> <p>FA-030C</p> <p>FA-030C</p> <p>FA-030C</p> <p>FA-030C</p> <p>FA-030C</p> <p>FA-030B</p> <p>FA-030C</p>



## ACCESSORIES LEGS (WELD-ON PIECES)

Item	Tank-ø	Material	Order No.	Order No.
	mm		loose	mounted
	820	PE	66186	FA-030E
	1,000	PE	66187	FA-030E
	1,200	PE	66188	FA-030E
	<b>Transportation base on rolls</b>			
	> Heightening H=+ approx. 160mm			
	1 For FD 240 litres	-	PE	77400
2 For FD 525/625 litres	-	PE	77500	-

## ACCESSORIES LEGS (SCREW-ON AND SPARE PARTS)

Item	Tank-ø	Material	Order No.	Order No.	
	mm		loose	mounted	
<b>Adjustment of height</b>					
<b>Adjustable feet for tank legs</b>					
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			-	
	> M36 min. 90 mm–max. 210 mm			-	
	For FO, FS-MO, MS-MO				
	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	-	46134	-
	6 Set= 10 pieces per tank M30	2,600–3,600	-	46130	-
	7 Set= 12 pieces per tank M30	3,200–3,600	-	46135	-
	8 Set= 14 pieces per tank M30	3,200–3,600	-	46136	-
9 Set= 16 pieces per tank M30	3,600	-	46139	-	
10 Set= 10 pieces per tank M36	3,200	-	46220	-	
11 Set= 12 pieces per tank M36	3,200–3,600	-	46221	-	
12 Set= 14 pieces per tank M36	3,600	-	46137	-	
13 Set= 16 pieces per tank M36	3,600	-	46138	-	
For RS-MO					
14 Set= 3 pieces per tank M20				-	
15 Set= 4 pieces per tank M20				-	
16 Set= 4 pieces per tank M24				-	
For pressure tank FS-MO-ZKG					
17 Set= 3 pieces per tank M20	630–1,200	-	46127	-	
18 Set= 4 pieces per tank M20	1,400–1,800	-	46126	-	
19 Set= 4 pieces per tank M24	1,600–2,200	-	46142	-	
Für pressure tank FS-MO-1B, FS-MO-3B					
20 Set= 3 pieces per tank M20	630–1,200	-	46127	-	
21 Set= 6 pieces per tank M20	1,400–1,600	-	46125	-	
22 Set= 6 pieces per tank M24	1,800–2,000	-	46128	-	
23 Set= 8 pieces per tank M24	2,200–2,800	-	46129	-	
24 Set= 8 pieces per tank M30	2,800–3,000	-	46134	-	
25 Set= 10 pieces per tank M30	2,600–3,000	-	46131	-	

# » Pipes

## ACCESSORIES PIPES (WELD-ON PIECES)

Item	Tank- $\emptyset$ mm	Material	Order No. loose	Order No. mounted
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### To cleaning



#### Cleaning spray head

- › Perforation 360° with clip fastener including cleaning pipe
- › Connection DIN 11851 at tank front side, drawn off to operating height

#### Spray head DN40

- › Flow rate at 1.0 bar ~12 m<sup>3</sup>/h
- › Flow rate at 2.5 bar ~19 m<sup>3</sup>/h
- › H=+ approx. 150mm

#### Spray head DN50

- › Flow rate at 1.0 bar ~28 m<sup>3</sup>/h
- › Flow rate at 2,5bar ~44 m<sup>3</sup>/h
- › H=+ approx. 150mm

1 DN40 to 10,000 litres tank capacity	1,000–2,400	AISI304	-	RL-40A
2 DN40 to 20,000 litres tank capacity	1,800–2,400	AISI304	-	RL-40B
3 DN40 to 30,000 litres tank capacity	2,200–2,400	AISI304	-	RL-40C
4 DN50 to 10,000 litres tank capacity	1,000–3,600	AISI304	-	RL-50A
5 DN50 to 20,000 litres tank capacity	1,800–3,200	AISI304	-	RL-50B
6 DN50 to 50,000 litres tank capacity	2,200–3,600	AISI304	-	RL-50C
7 DN50 to 125,000 litres tank capacity	3,000–3,600	AISI304	-	RL-50D

#### Spray head NW40 detachable from outside

1,000–3,600	AISI304	-	RL-41A
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#### Spray head NW50 detachable from outside

1,000–3,600	AISI304	-	RL-51A
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#### Connection from cleaning pipe to fill level indicator

› H=+ approx. 50mm	1,000–3,600	AISI304	-	VL-50A
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#### Connection from cleaning pipe to filler neck with spray head NW20

1,000–3,600	AISI304	-	VL-50B
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### To filling

#### Filling pipe NW50

- › Drawn off to operating height
- › Connection NW50 DIN 11851
- › H = + approx. 150mm

1 Up to 10,000 litres tank capacity	1.000–2.600	AISI304	-	BF-100A
2 Up to 20,000 litres tank capacity	1.600–3.200	AISI304	-	BF-200B
3 Up to 33,000 litres tank capacity	2.200–3.600	AISI304	-	BF-300C
4 Up to 50,000 litres tank capacity	2.600–3.600	AISI304	-	BF-400D
5 Up to 125,000 litres tank capacity	3.000–3.600	AISI304	-	BF-500E

For FD-1.2B, FD-1.2B-ZKG






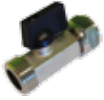
#### Spray head with spray head holder

- › Spray head NW 10
- › NW 25 for connection to tank nozzle at tank top

AISI304	-	87833+87847
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## ACCESSORIES PIPES (WELD-ON PIECES)

Item	Tank- $\varnothing$ mm	Material	Order No.	Order No.
			loose	mounted
<b>Fittings for pressure-regulation for bunging apparatus</b> For FS-M0-1B, FS-M0-3B, FS-M0-ZKG				
				
<b>Pressure-regulation for bunging apparatus (Piccolino) up to 1.0 bar/3.0 bar</b> > For junction G 3/4" on cleaning pipe	630-3,000	AISI304	87712	SR-004
				
<b>Pressure-regulation for bunging apparatus (Kellerfee) up to 1.0 bar/3.0 bar</b> > For junction NW25 DIN 11851 on cleaning pipe	630-3,000	AISI304	81457	SR-002
				
<b>Pressure-regulation for bunging apparatus (Vario) up to 1.0 bar/3.0 bar</b> > For junction NW25 DIN 11851 on cleaning pipe	630-3,000	AISI304	83863	SR-003
				
<b>Pressure-regulation for bunging apparatus (Vario-Plus) up to 1.0 bar/3.0 bar</b> > For junction NW25 DIN 11851 on cleaning pipe  For FD-1,2B, for FD-1,2B-ZKG	630-3,000	AISI304	81493	SR-001
				
<b>T-adapter piece</b> > For CO <sub>2</sub> -connection/shut-off tap and bunging apparatus > Lateral 2xET 3/4" > At bottom NW25 for the connection to the tank nozzle on tank top	-	-	87711	
				
<b>CO<sub>2</sub>-shut-off tap</b> > Fits on T-adapter piece > IT-ET 3/4"	-	-	87986	

Open top tanks

Closed tanks

Tanks for mixing, transportation and storage

Pressure tanks



Cooling and heating

Accessories



## » Stirring device connections, flanges and supplementary threads


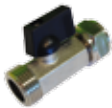
### STIRRING DEVICE CONNECTIONS/FLANGES/SUPPLEMENT CONNECTIONS (WELD-ON PIECES)

Item	Tank- $\varnothing$ mm	Material	Order No. loose	Order No. mounted	
<b>Stirring device flange</b>					
<b>Stirring device flange on the side</b>					
<ul style="list-style-type: none"> <li>› For standard seal flange stirring device mounted on the side of the tank shell</li> <li>› For stirring angle 30°–45°, with reinforcement ring</li> <li>› Flange is inclined inwards to avoid air bubbles</li> </ul>					
	1 Flange-DN 150	1,600–3,600	AISI304	-	FL-150A
	2 Flange-DN200	1,600–3,600	AISI304	-	FL-200A
	3 Flange-DN250	1,600–3,600	AISI304	-	FL-250A
<b>Stirring device flange at tank top</b>					
<ul style="list-style-type: none"> <li>› For standard stirring devices vertical at tank top, for upright standing stirring device, with reinforcement ring and fastening bolts</li> </ul>					
	1 Flange-DN 150	1,600–3,600	AISI304	-	FZ-150A
	2 Flange-DN200	1,600–3,600	AISI304	-	FZ-200A
	3 Flange-DN250	1,600–3,600	AISI304	-	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	Order No. mounted	
<b>Weld-on gland</b>					
<b>Weld-on gland horizontally</b>					
› Weld-on gland horizontally at tank top or tank bottom					
› DIN 11851 or Clamp DIN 32676 / DIN 11864					
	1 NW 20	820-3,600	AISI304	-	SH-020A
	2 NW 25	820-3,600	AISI304	-	SH-025A
	3 NW 32	820-3,600	AISI304	-	SH-032A
	4 NW 40	820-3,600	AISI304	-	SH-040A
	5 NW 50	820-3,600	AISI304	-	SH-050A
	6 NW 65	820-3,600	AISI304	-	SH-065A
	7 NW 80	820-3,600	AISI304	-	SH-080A
	8 NW 100	1,000-3,600	AISI304	-	SH-100A
	9 NW 125	1,000-3,600	AISI304	-	SH-125A
	10 NW 150	1,000-3,600	AISI304	-	SH-150A
<b>Weld-on gland vertically</b>					
› Weld-on gland horizontally at tank top or tank bottom					
› DIN 11851 or Clamp DIN 32676 / DIN 11864					
	1 NW 20	820-3,600	AISI304	-	SV-020A
	2 NW 25	820-3,600	AISI304	-	SV-025A
	3 NW 32	820-3,600	AISI304	-	SV-032A
	4 NW 40	820-3,600	AISI304	-	SV-040A
	5 NW 50	820-3,600	AISI304	-	SV-050A
	6 NW 65	820-3,600	AISI304	-	SV-065A
	7 NW 80	820-3,600	AISI304	-	SV-080A
	8 NW 100	1,000-3,600	AISI304	-	SV-100A
	9 NW 125	1,000-3,600	AISI304	-	SV-125A
	10 NW 150	1,000-3,600	AISI304	-	SV-150A
<b>CO<sub>2</sub>-connection</b>					
› Weld-on gland AG 3/4" vertically at tank top/horizontally at tank shell					
		-	-	-	GS-091A
	<b>CO<sub>2</sub>-shut-off tap</b>	-	-	87986	-
<b>Instead of stirring device connection neck AG 37 W 47x1/9"</b>					
For SO-Z, RO-Z					
	<b>Stirring device connection neck</b>				
	1 External thread NW40 DIN 11851	820-1,200	AISI304	-	RW-160B
	2 External thread NW50 DIN 11851	820-1,200	AISI304	-	RW-160C
	3 External thread 40 Macon	820-1,200	AISI304	-	RW-160D
4 Without stirring device connection neck	820-1,200	AISI304	-	RW-160E	

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

## ACCESSORIES (MISCELLANEOUS)

Item	Tank- $\emptyset$ mm	Material	Order No. loose	Order No. mounted
<b>Insulation</b>				
 <p><b>Insulation thoroughly welded</b></p> <ul style="list-style-type: none"> <li>› Tank completely insulated</li> <li>› Insulation material mineral wool/ Armaflex</li> <li>› Casing with stainless steel sheet, AISI304, marbled outside/IIIc,</li> <li>› Longitudinal joints and transverse joints thoroughly welded</li> </ul>	1,000–1,600	-	-	ISO-100A
	 <p><b>Insulation rivetted/screwed</b></p> <ul style="list-style-type: none"> <li>› Tank completely insulated</li> <li>› Insulation material mineral wool/ Armaflex</li> <li>› Casing with stainless steel sheet, AISI304, marbled outside/IIIc</li> <li>› Longitudinal joints and transverse joints rivetted or screwed</li> </ul>	1,000–1,600	-	-
<b>Tank labelling</b>				
 <p><b>Sticker for tank labelling</b></p>	820–3,600	-	83978	-
<b>Tank approval</b>				
For pressure tanks in accordance with the guideline for pressure devices 97/23/EG				
 <p><b>TÜV-test with documentation (for each tank)</b></p> <p><b>TÜV-test with documentation (one only for each entire order)</b></p>	1,000–1,600	-	TÜV-001	-
	1,000–1,600	-	TÜV-002	-
<b>Additional costs for modification</b>				
<p><b>In case of variations from the listed version (plus additional costs of the structural element)</b></p>	350–820	-	00024	-
	1,000–3,000	-	00019	-