

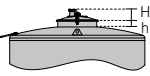
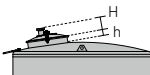
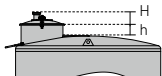
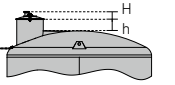



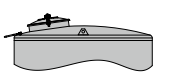


# » Ventilation

## ACCESSORIES VENTILATION (WELD-ON PIECES)

Item	Tank- $\emptyset$ mm	Material	Order No. loose	Order No. mounted
<p><b>For dome lid</b>  <b>&gt; BD, FD</b></p>				
 <p><b>Stainless steel vent connection</b>  <b>AGG 1 1/2" (BSP) in lid with sealing cap</b>            &gt; Instead of drilled hole <math>\emptyset</math> 38 mm            with plastic blank cap</p>	440-820	AISI304	-	OB-041D
<p><b>Instead of filling and vent connection</b>  <b>external thread NW 50 Rd 78 x 1/6"</b>  <b>&gt; FS-MO, AS-MO, RS-MO, RA-MO</b></p>				
 <p><b>Filling and vent connection</b>  <b>1</b> External thread NW 65 Rd 95 x 1/6"  <b>2</b> External thread 40 Macon  <b>3</b> Additional external thread 70 Macon  <b>4</b> Clamp 2"</p>	820-3,600 820-3,600 820-3,600 820-3,600	AISI316 AISI316 AISI316 AISI316	- - - -	ES-080H ES-080D ES-080C ES-080L
<p><b>Dome »pressureless«</b></p>				
 <p><b>Filler neck located in the centre of the tank top</b>            &gt; Tank top without moulded channel            &gt; Flap lid with NW50, external thread Rd 78 x 1/6"</p>			<p><b>Pay attention to sufficient space / height for the opening and handling of the domes.</b></p>	
<p><b>1</b> NW 400, h = 65 mm, H = approx. 195 mm  <b>2</b> NW 400, h = 200 mm, H = approx. 330 mm  <b>3</b> NW 600, h = 100 mm, H = approx. 230 mm  <b>4</b> NW 600, h = 200 mm, H = approx. 330 mm  <b>5</b> NW 800, h = 105 mm, H = approx. 160 mm (with filler neck protection)  <b>6</b> NW 1,000, h = 200 mm, H = approx. 300 mm (with filler neck protection)</p>	820-3,600 820-3,600 1,000-3,600 1,000-3,600 1,400-3,600 1,600-3,600	AISI316 AISI316 AISI316 AISI316 AISI316 AISI316	- - - - - -	OB-040L OB-040R OB-040Z OB-041F OB-041A OB-041H
 <p><b>Filler neck located in the tank top in a forward position</b>            &gt; Tank top without moulded channel without complete deaeration            &gt; Flap lid with NW50, external thread Rd 78 x 1/6"</p>				
<p><b>1</b> NW 200, h = 85 mm, H = approx. 185 mm  <b>2</b> NW 400, h = 65 mm, H = approx. 165 mm  <b>3</b> NW 600, h = 100 mm, H = approx. 230 mm</p>	1,000-1,400 1,000-3,600 1,000-3,600	AISI316 AISI316 AISI316	- - -	OB-040X OB-040F OB-040Y
 <p><b>Filler neck located in the tank top in a forward upright position</b>            &gt; Tank top without moulded channel for complete de-aeration            &gt; Flap lid with NW50, external thread Rd 78 x 1/6"</p>				
<p><b>1</b> NW 200, h = approx. 150 mm, H = approx. 270 mm  <b>2</b> NW 400, h = approx. 150 mm, H = approx. 270 mm  <b>3</b> NW 600, h = approx. 150 mm, H = approx. 270 mm</p>	1,000-2,000 do. 1,400-2,000	AISI316 AISI316 AISI316	- - -	OB-041B OB-0400 OB-041C
	Rectangular tanks			
	Rectangular tanks			

**ACCESSORIES VENTILATION (WELD-ON PIECES)**

	<b>Item</b>	<b>Tank-ø</b> mm	<b>Material</b>	<b>Order No.</b> loose	<b>Order No.</b> 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>› Tank top without moulded channel</li> <li>› 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 NW 50 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	AISI316	-	ES-080D
	<p><b>Vent outlet</b></p> <ul style="list-style-type: none"> <li>› 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>› With drain outlet elbow NW50 DIN 11851</li> </ul>	2,200–3,600	AISI304	-	RA-151H
	<p><b>Dome "Pressure"</b></p> <p><b>Filler neck located in the tank top in a forward position</b></p> <ul style="list-style-type: none"> <li>› Tank top without moulded channel without complete de-aeration</li> <li>› With flap lid</li> <li>› NW400, h=65 mm, H=approx. 165 mm</li> <li>1 Pressure stability 1,0 bar</li> <li>2 Pressure stability 3,0 bar</li> </ul>	1,000–3,600	AISI316	-	OB-042A
		1,000–3,600	AISI316	-	OB-042B



Open top tanks

Closed tanks

Tanks for mixing, transportation and storage

Pressure tanks

Cooling and heating

Accessories

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














	Item	Tank- $\emptyset$ mm	Material	Order No. loose	Order No. mounted
	<b>For dome lid</b> > BD, FD				
	<b>Complete replacement lid</b> > 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	-
	<b>Fermentation lock with bung</b>	440-820	plastic, rubber	21010	-
	<b>To filling and vent connection</b> external thread NW50 Rd 78 x 1/6" > FS-M0, AS-M0, RS-M0, RA-M0				
	<b>Fermentation tube with two compartments including bung, straight version</b> 1 For tank capacity up to 10,000 litres 2 For tank capacity from 10,000 litres upwards	550-2,000 2,200-3,600	acrylic/ rubber	80430 84873	- -
	<b>Fermentation tube with two compartments including bung, inclined version</b> 1 For tank capacity up to 10,000 litres 2 For tank capacity from 10,000 litres upwards	820-2,000 2,200-3,600	acrylic/ rubber	70371 84874	- -
	<b>Pressure compensating valve (spring-loaded) NW 50 DIN 11851</b>	820-3,600	plastic	60911	-
	<b>Feed hopper</b>	820-3,600	plastic	46950	-
	<b>To dome</b> > BD, FD, FS-M0, AS-M0				
	<b>Seals</b> 1 Sealing for dome lid type BD / FD: old version 2 Sealing for dome lid type BD / FD: new version 3 Sealing for filler neck NW 200 4 Sealing for filler neck NW 400 5 Sealing for filler neck NW 600	- - - - -	- - - - -	60094 74914 81769 81770 81756	- - - - -
	<b>To open top tanks</b>				
	<b>Dust lid</b> > FO, BO, SO-Z, KO, RO-Z	440 550 630 820 1,000 1,200 1,400	AISI304 AISI304 AISI304 AISI304 AISI304 AISI304 AISI304	70323 70324 70325 70326 70327 70328 68962	- - - - - - -
	<b>Sack support</b> > SO-Z, RO-Z				
	1 For tank 530 litres 2 For tank 750 litres 3 For tank 1,000 litres	820 1,000 1,200	AISI304 AISI304 AISI304	70319 70320 70321	- - -

## » Racking outlet and bottom outlet







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

Item	Tank- $\varnothing$ mm	Material	Order No. loose	Order No. mounted	
<b>To racking outlet drilled hole 48 mm</b>					
» FO, FS-MO, AS-MO, RS-MO, RA-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 NW 100 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>					
» 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>					
» FO, FS-MO, AS-MO, RS-MO, RA-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 NW50 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>					
» FS-MO-1B, FS-MO-3B, FS-MO-3B-ZKG					
<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- $\emptyset$ mm	Material	Order No. loose	Order No. mounted
	<b>Taps etc. G 3/4"</b> > BD, FD, BO, FO				
	Drain valve G 3/4" (BSP) with counter nut	350-550	AISI304	65276	-
	Drain valve G 3/4" (BSP)	350-550	red brass chrome-plated	65079	-
	Ball valve AG / AG G 3/4" (BSP)	350-550	AISI304	75104	-
	Drain valve G 3/4" (BSP)	350-550	plastic	21013	-
	Blank bung G 3/4" (not shown)	350-550	plastic	60068	-
	<b>Taps etc. G 1"</b> > BD, FD, BO, FO1				
	Sealing cap G 1" (BSP)	630-820	AISI304	64938	-
	Drain valve with cap nut G 1" (BSP)	630-820	AISI304	65277	-
	Ball valve AG G 1" (BSP)	630-820	AISI304	64939	-
	Outlet elbow 90° with cap nut G 1" (BSP)	630-820	plastic	64852	-
	Transmission: IG 1" outgoing unit WKN	630-820	AISI304	67832	-
	Transmission: IG 1" outgoing unit MZR	630-820	AISI304	67833	-
	<b>Taps etc. G 1 1/4"</b> > BD, FD, BO, FO1				
	Ball valve outlet AG G 1 1/4" (BSP)	630-820	AISI304	64940	-
	Ball valve outlet IG G 1 1/4" (BSP)	630-820	AISI304	64941	-
	Sealing cap G 1 1/4" (BSP)	630-820	AISI304	64960	-
	<b>Taps etc. G 2 1/2"</b>				
	Sealing cap G 2 1/2" (BSP)	-	AISI304	63921	-
	Ball valve NW 65 IGG 2 1/2" (BSP)	-	Ms-tin-coated	64944	-
	Bolt connection NW 65 AG G 2 1/2" x AG Rd 95 x 1/6"	-	AISI304	65094	-

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

Item	Tank- $\emptyset$ mm	Material	Order No. loose	Order No. mounted	
<b>To racking outlet thread and bottom outlet thread</b>					
<b>&gt; FO, F02, FS-MO, AS-MO, RS-MO, RA-MO</b>					
	<b>Sealing cap</b>				
	1 NW 25 DIN 11851	630–3,000	AISI304	76493	-
	2 NW 40 DIN 11851	630–3,000	AISI304	62982	-
	3 NW 50 DIN 11851	1,000–3,000	AISI304	62983	-
	4 NW 65 DIN 11851	1,000–3,000	AISI304	65475	-
	5 Gr. 37 W 47 x 1/9"	-	AISI304	63969	-
	6 Macon 40	-	AISI304	68380	-
	7 G 1 1/4"	-	AISI304	64960	-
	8 3/4"	630–3,000	AISI304	64524	-
	<b>Disc valve NW 40 with security locking device and sealing caps with chain</b>				
	1 Outlet NW 40 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 NW 50 with security locking device and sealing caps with chain</b>				
	1 Outlet NW 40 DIN 11851	1,000–3,600	AISI304	64948	-
	2 Outlet NW 50 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 NW 25 DIN 11851	630–3,600	AISI304	66417	-
	2 NW 32 DIN 11851	630–3,600	AISI304	66418	-
	3 NW 65 DIN 11851	630–3,600	AISI304	66235	-
	4 NW 80 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</b>				
	<b>&gt; FD, pressure tanks</b>				
	> IG-AG 1", V2A	550–820	AISI304	87882	-
	<b>Bevel seat valve with sealing cap and chain</b>				
	1 NW 40 DIN 11851	1,000–1,600	AISI304	81606	-
	2 NW 50 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 mm	Material	Order No. loose	Order No. mounted
<b>Ball valves with sealing cap with chain</b>				
› Cap nut on tank side / outlet AG				
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	-

**To bottom outlet**  
› FS-M0-3B-ZKG



**Racking and bottom outlet valve**  
› Tank sided connection to cone  
› Outlets including bow 90 ° for racking and bottom outlet connection (plus disc valve)

1 Tank sided NW 40 DIN 11851, Outlets NW 40 DIN 11851		AISI304	88862	-
2 Tank sided NW 50 DIN 11851, Outlets NW 40 DIN 11851		AISI304	88863	-
3 Tank sided NW 50 DIN 11851, Outlets NW 50 DIN 11851		AISI304	88864	-

**Only possible with  
height adjustments**


**To racking outlet**  
› FD-1.2B-ZKG, FD-2.5-ZKG

**Swivelling valve G1"**  
› From 120 to 625 litres





		AISI304	86905	-
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## » Sampling

### ACCESSORIES SAMPLING (WELD-ON PIECES)

	Item	Tank- $\emptyset$	Material	Order No.	Order No.
		mm		loose	mounted
	<b>To sampling</b>				
	> FO, F01, F02, AS-M0, RS-M0, RA-M0				
	<b>Weld-on thread</b>				
	1 NW 10 DIN 11851	630-2,000	AISI304	-	PE-100A
	2 NW 20 DIN 11851	630-2,000	AISI304	-	PE-100E

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

	Item	Tank- $\emptyset$	Material	Order No.	Order No.
		mm		loose	mounted
	<b>To sampling</b>				
	> FO, F01, F02, FS-M0, AS-M0, RS-M0, RA-M0				
	<b>Sampling tap with cap nut</b>				
	1 NW 10 DIN 11851	630-2,000	AISI304	64949	-
	2 NW 20 DIN 11851	630-2,000	AISI304	65583	-
	<b>Sealing kit</b>				
	1 For sampling tap NW 10 / 1/2"	-	-	45506	-
	2 For sampling tap NW 20	-	-	84712	-
	<b>Sampling tap with cap nut NW 10 DIN 11851</b>				
	> Flame resistant				
	> With connection thread for knuckle spiral	630-3,000	AISI304	83922	-
	<b>VA Knuckle spiral</b>				
	> For froth-less sampling				
	> Flame resistant			83866	-

Open top tanks

Closed tanks

Tanks for mixing, transportation and storage

Pressure tanks


Cooling and heating

Accessories





# » Fill level indication

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

Item	Tank- $\emptyset$ mm	Material	Order No. loose	Order No. mounted
 <p><b>To fill level</b> » F0, F02</p> <p><b>Weld-on thread NW 10 DIN 11851</b></p>	630–2,000	AISI304	-	FS-130A

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

Item	Tank- $\emptyset$ mm	Material	Order No. loose	Order No. mounted
<p><b>To fill level</b> » F0, F02</p>				
 <p><b>Fill level indicator NW 10</b> » 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 litre scale</p>				
1 Up to 999 litres tank capacity	630– 820	AISI304	-	FS -130G
2 Up to 4,999 litres tank capacity	1,000–2,000	AISI304	-	FS -130H
3 Up to 10,000 litres tank capacity	1,600–2,000	AISI304	-	FS -130I
4 Up to 15,200 litres tank capacity	1,800–2,000	AISI304	-	FS -130K
5 Up to 999 litres tank capacity	630– 820	AISI304	FSA*	-
6 Up to 4,999 litres tank capacity	1,000–2,000	AISI304	FSA*	-
7 Up to 10,000 litres tank capacity	1,600–2,000	AISI304	FSA*	-
8 Up to 15,200 litres tank capacity	1,800–2,000	AISI304	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.				
 <p><b>Fill level indicator NW 20</b> » 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 litre scale</p>				
1 Up to 4,999 litres tank capacity	1,000–1,800	AISI304	-	FS -130V
2 Up to 10,000 litres tank capacity	1,600–2,000	AISI304	-	FS -130W
3 Up to 15,200 litres tank capacity	1,800–2,000	AISI304	-	FS -130X
<b>Sealing kit for sight glass valve</b>				
1 NW 10 / 1/2"	-	-	45504	-
2 NW 20	-	-	84713	-
<b>Sight glass valve</b>				
1 NW 10	-	-	64065	-
2 1/2"	-	-	63190	-

## ACCESSORIES FILL 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-M0, AS-M0

**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 litre 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 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 litre 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 -130Z

**Fill level indicator NW 20**

- > Calibratable with millimetre 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 NW 10 (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 NW 20 (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

**To fill level**

> FS-M0-1B, FS-M0-3B, FS-M0-3B-ZKG

**Fill level indicator NW 10**

- > With litre 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 from cleaning pipe to fill level indicator**

630–3,000	AISI304	-	VL-050A
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# » Temperature measurement

## ACCESSORIES TEMPERATURE MEASUREMENT (WELD-ON PIECES)





Item	Tank- $\emptyset$ mm	Material	Order No. mounted
<p><b>For local temperature regulation</b>            » F0, FS-M0, AS-M0, RS-M0, RA-M0, RS-M0-Q, RA-M0-Q</p>			
<p><b>Positioning</b></p> <p>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-M0 / RA-M0, only for connection position C1–C4)            T5 = Long side at the back right (only RS-M0 / RA-M0, 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</p> <p>* Height always according to position standard temperature measurement</p>			
<p><b>Possible choices</b></p>			
T1 = Weld-on gland NW10 DIN 11851		AISI304	TS1A
T1 = Drilled hole $\emptyset$ 13 mm		AISI304	TS1B
T1 = Drilled hole $\emptyset$ 18 mm	820–2,000	AISI304	TS1C
T1 = Weld-on gland NW20 DIN 11851	+ Rectangular tanks	AISI304	TS1D
T2 = Weld-on gland NW10 DIN 11851		AISI304	TS2A
T2 = Drilled hole $\emptyset$ 13 mm	820–2,000	AISI304	TS2B
T2 = Drilled hole $\emptyset$ 18 mm	+ Rectangular tanks	AISI304	TS2C
T3 = Weld-on gland NW10 DIN 11851		AISI304	TS3A
T3 = Drilled hole $\emptyset$ 13 mm		AISI304	TS3B
T3 = Drilled hole $\emptyset$ 18 mm	820–2,000	AISI304	TS3C
T4 = Weld-on gland NW10 DIN 11851		AISI304	TS4A
T4 = Drilled hole $\emptyset$ 13 mm		AISI304	TS4B
T4 = Drilled hole $\emptyset$ 18 mm	Rectangular tanks	AISI304	TS4C
T5 = Weld-on gland NW10 DIN 11851		AISI304	TS5A
T5 = Drilled hole $\emptyset$ 13 mm		AISI304	TS5B
T5 = Drilled hole $\emptyset$ 18 mm	Rectangular tanks	AISI304	TS5C
T6 = Weld-on gland NW10 DIN 11851		AISI304	TS6A
T6 = Drilled hole $\emptyset$ 13 mm		AISI304	TS6B
T6 = Drilled hole $\emptyset$ 18 mm	1,000–2,000	AISI304	TS6C
T6 = Weld-on gland NW20 DIN 11851	+ Rectangular tanks	AISI304	TS6D
T7 = Weld-on gland NW10 DIN 11851		AISI304	TS7A
T7 = Drilled hole $\emptyset$ 13 mm		AISI304	TS7B
T7 = Drilled hole $\emptyset$ 18 mm	820–2,000	AISI304	TS7C
T7 = Weld-on gland NW20 DIN 11851	+ Rectangular tanks	AISI304	TS7D
<p><b>Due to technical reasons the position of the connection can differ in some cases.</b></p>			



## ACCESSORIES TEMPERATURE MEASUREMENT (WELD-ON PIECES)


Item	Tank- $\emptyset$ mm	Material	Order No.		
			loose	mounted	
<p><b>To temperature measurement</b>            &gt; FO, FS-MO, AS-MO, RS-MO, RA-MO, RS-MO-Q, RA-MO-Q</p>					
 <p><b>Bi-metal dial thermometer 100 mm <math>\emptyset</math></b>            &gt; Measuring range -20°C to +60°C            &gt; Weld-on thread NW 10 DIN 11851</p>	1 Incl. threaded sleeve, L = 125 mm	820-3,600	AISI304	-	TM-140C
	2 Incl. threaded sleeve, L = 250 mm	820-3,600	AISI304	-	TM-140D
<p><b>Bi-metal dial thermometer 100 mm <math>\emptyset</math></b>            &gt; Measuring range in °C and °Fahrenheit            &gt; Weld-on thread NW 10 DIN 11851            &gt; Incl. threaded sleeve, L = 125 mm</p>		820-3,600	AISI304	-	TM-140E
	<p><b>To temperature measurement</b>            &gt; FS-MO-1B, FS-MO-3B, FS-MO-3B-ZKG</p>				
<p><b>Bi-metal dial thermometer 100 mm <math>\emptyset</math></b>            &gt; Measuring range -20°C to +60°C            &gt; Incl. threaded sleeve to thermometer</p>		630-3,000	AISI304	-	TM-140F

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


Item	Tank- $\emptyset$ mm	Material	Order No.		
			loose	mounted	
<p><b>To temperature measurement</b>            &gt; FO, FS-MO, AS-MO</p>					
 <p><b>Bi-metal dial thermometer 100 mm <math>\emptyset</math></b>            &gt; Measuring range -20°C to +60°C</p>	1 For threaded sleeve, L = 125 mm	820-3,600	AISI304	63887	-
	2 For threaded sleeve, L = 250 mm	820-3,600	AISI304	83975	-
<p><b>Bi-metal dial thermometer 100 mm <math>\emptyset</math></b>            &gt; Measuring range in °C and °Fahrenheit            &gt; For threaded sleeve, L = 125 mm</p>		820-3,600	AISI304	73558	-
	<p><b>Angled thermometer made of stainless steel</b>            &gt; Measuring range -5°C to +25°C</p>				
 <p><b>Threaded sleeve to thermometer</b></p>	1 L = 125 mm	820-3,600	AISI304	64071	-
	2 L = 250 mm	820-3,600	AISI304	83976	-
<p><b>&gt; FD-1.2B, FD-1.2B-ZKG, FD-2.5B, FD-2.5B-ZKG</b></p>					
 <p><b>"Chilly" wort chiller 1,7 kW</b>            &gt; Temperature -10°C to +25°C            &gt; Hose connector set to fermentation tank            240 litres / 525 litres / 625 litres / pressure tanks</p>		-	-	72905	-
	<p><b>Fermentation temperature regulator FermFlex</b>            &gt; Measuring range -5°C to +25°C</p>				
		-	-	73375	-

## >> Manhole

### ACCESSORIES MANHOLE (WELD-ON PIECES)


Item	Tank- $\emptyset$ mm	Material	Order No. loose	Order No. mounted
<p><b>To manhole</b> &gt; FO, KO, ST-T</p>				
 <p><b>Manhole</b> &gt; Seamlessly moulded out of tank shell 420 x 320 mm LW &gt; Door with food-safe sealing, gapless and vulcanised, butterfly bow and hand wheel</p>	820–3,000	AISI304	-	ML-110A

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

Item	Tank- $\emptyset$ mm	Material	Order No. loose	Order No. mounted
<p><b>Sealings</b> &gt; BD, FD, FS-MO, AS-MO, RS-MO, RA-MO</p>				
 <p><b>Sealing for slipping over manhole</b></p>	1 420 x 320 mm	-	79028	-
	2 320 x 250 mm	-	81485	-
	3 340 x 440 mm	-	81353	-
<p><b>Sealing for glueing into manhole</b></p>	1 420 x 320 mm	-	60786	-
	2 320 x 250 mm	-	62593	-
<b>Glue Terokal 58 gr.</b>	820–3,600	-	65389	-




## >> Legs

### ACCESSORIES LEGS (WELD-ON PIECES)


Item	Tank- $\emptyset$ mm	Material	Order No. loose	Order No. mounted
<p><b>Tank legs</b> &gt; FO, FS-MO,</p>				
	1 Short version standard -100 mm	-	-	FA-030B
	2 Long version standard +92 mm	-	-	FA-030C
	3 Long version standard +219 mm	-	-	FA-030C
	4 Long version standard +176 mm	-	-	FA-030C
	5 Long version standard +168 mm	-	-	FA-030C
	6 Long version standard +138 mm	-	-	FA-030C
	7 Long version standard +136 mm	-	-	FA-030C
	8 Long version standard +96 mm	-	-	FA-030C
	9 Short version standard -100 mm	-	-	FA-030B
	10 Long version standard +100 mm	-	-	FA-030C

**Special leg lengths available on request in increments of approx. 100 mm**

## ACCESSORIES LEGS (WELD-ON PIECES)

Item	Tank- $\emptyset$ mm	Material	Order No.		
			loose	mounted	
<b>Tank legs</b>					
‣ RS-M0					
	1 Short version standard - 100 mm	900 x 1,400	-	-	
	2 Long version standard + 156 mm	-1,500 x 2,000	-	FA-030B	
	3 Long version standard + 156 mm	900 x 1,400	-	FA-030C	
	4 Long version standard + 156 mm	1,100 x 1,600	-	FA-030C	
	5 Long version standard + 107 mm	1,300 x 1,800	-	FA-030C	
	1,500 x 2,000	-	FA-030C		
<b>Tank legs</b>					
‣ RS-M0-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	
<b>Special leg lengths available on request in increments of approx. 100 mm</b>					
	<b>PE-base for transportation and storage</b>	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. 160 mm	-	PE	77400	-

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


Item	Tank- $\emptyset$ mm	Material	Order No.		
			loose	mounted	
<b>Height adjustment</b>					
‣ FO, FS-M0					
	<b>Height adjustments 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				
	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	-	

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


Item	Tank- $\emptyset$ mm	Material	Order No. loose	Order No. mounted
<b>Height adjustment for tank legs</b>				
› RS-M0, RS-M0-Q				
1 Set= 4 pieces per tank M20	-	-	46126	-
<b>Height adjustment for tank legs</b>				
› FS-M0-1B, FS-M0-3B				
1 Set= 3 pieces per tank M20	630–1,200	-	46127	-
2 Set= 6 pieces per tank M20	1,400–1,600	-	46125	-
7 Set= 6 pieces per tank M24	1,800–2,000	-	46128	-
8 Set= 8 pieces per tank M24	2,200–2,800	-	46129	-
9 Set= 8 pieces per tank M30	2,800–3,000	-	46134	-
10 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
<b>To cleaning</b>				
› FS-M0, AS-M0				
	<b>Cleaning pipe</b>			
	› Drawn off to operating height			
	› Cleaning spray head, perforation 360° with clip fastener			
	› Connection DIN 11851 at tank front side			
	› H=+ approx, 150 mm			
	<b>Spray head DN 40</b>			
	› Flow rate at 1,0 bar ~ 12 m <sup>3</sup> /h			
	› Flow rate at 2,5 bar ~ 19 m <sup>3</sup> /h			
	<b>Spray head DN 50</b>			
	› Flow rate at 1,0 bar ~ 28 m <sup>3</sup> /h			
› Flow rate at 2,5 bar ~ 44 m <sup>3</sup> /h				
1 DN 40 to 10,000 litres tank capacity	1,000–2,400	AISI304	-	RL-040A
2 DN 40 to 20,000 litres tank capacity	1,800–2,400	AISI304	-	RL-040B
3 DN 40 to 30,000 litres tank capacity	2,200–2,400	AISI304	-	RL-040C
4 DN 50 to 10,000 litres tank capacity	1,000–3,600	AISI304	-	RL-050A
5 DN 50 to 20,000 litres tank capacity	1,800–3,200	AISI304	-	RL-050B
6 DN 50 to 50,000 litres tank capacity	2,200–3,600	AISI304	-	RL-050C
7 DN 50 to 125,000 litres tank capacity	3,000–3,600	AISI304	-	RL-050D
<b>Spray head, detachable from outside</b>				
1 NW 40	1,000–3,600	AISI304	-	RL-041A
2 NW 50	1,000–3,600	AISI304	-	RL-051A
<b>Connection from cleaning pipe to fill level indicator</b>				
› H=+ approx. 50 mm	1,000–3,600	AISI304	-	VL-050A
<b>Connection from cleaning pipe to filler neck with spray head NW 20</b>				
› H=+ approx. 50 mm	1,000–3,600	AISI304	-	VL-050B

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

Item	Tank- $\emptyset$ mm	Material	Order No.	
			loose	mounted
<p><b>To cleaning</b></p> <p>&gt; FD-1.2B, FD-1.2B-ZKG, FD-2.5B, FD-2.5B-ZKG</p>				
 <p><b>Spray head with spray head holder</b></p> <p>&gt; Spray head NW 10</p> <p>&gt; NW25 for connection to tank nozzle at tank top</p>		AISI304	-	87833+87847
<p><b>To filling</b></p> <p>&gt; FS-M0, RS-M0</p>				
<p><b>Filling pipe NW 50</b></p> <p>&gt; Drawn off to operating height</p> <p>&gt; Connection NW 50 DIN 11851</p> <p>&gt; H = + approx. 150 mm</p>				
<p><b>1</b> Up to 10,000 litres tank capacity</p>	1,000–2,600	AISI304	-	BF-100A
<p><b>2</b> Up to 20,000 litres tank capacity</p>	1,600–3,200	AISI304	-	BF-200B
<p><b>3</b> Up to 33,000 litres tank capacity</p>	2,200–3,600	AISI304	-	BF-300C
<p><b>4</b> Up to 50,000 litres tank capacity</p>	2,600–3,600	AISI304	-	BF-400D
<p><b>5</b> Up to 125,000 litres tank capacity</p>	3,000–3,600	AISI304	-	BF-500E

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

Item	Tank- $\emptyset$ mm	Material	Order No.	
			loose	mounted
<p><b>Fittings for pressure-regulation for bunging apparatus</b></p> <p>&gt; FS-M0-1B, FS-M0-3B, FS-M0-3B-ZKG</p>				
 <p><b>Pressure-regulation (Picolino) up to 1.0 bar / 3.0 bar</b></p> <p>&gt; For junction G 3/4" on cleaning pipe</p>	630–3,000	AISI304	87712	SR-004
 <p><b>Pressure-regulation (Kellerfee) up to 1.0 bar / 3.0 bar</b></p> <p>&gt; For junction NW 25 DIN 11851 on cleaning pipe</p>	630–3,000	AISI304	81457	SR-002
 <p><b>Pressure-regulation (Vario) up to 1.0 bar / 3.0 bar</b></p> <p>&gt; For junction NW 25 DIN 11851 on cleaning pipe</p>	630–3,000	AISI304	83863	SR-003
 <p><b>Pressure-regulation (Vario-Plus) up to 1.0 bar / 3.0 bar</b></p> <p>&gt; For junction NW 25 DIN 11851 on cleaning pipe</p>	630–3,000	AISI304	81493	SR-001
<p><b>Fittings for pressure-regulation for bunging apparatus</b></p> <p>&gt; FD-1.2B, FD-1.2B-ZKG, FD-2.5B, FD-2.5B-ZKG</p>				
 <p><b>T-adapter piece</b></p> <p>&gt; For CO<sub>2</sub>-connection / shut-off tap and bunging apparatus</p> <p>&gt; Lateral 2 x AG 3/4"</p> <p>&gt; At bottom NW 25 for the connection to the tank nozzle on tank top</p>	-	-	87711	-
 <p><b>CO<sub>2</sub>-shut-off tap</b></p> <p>&gt; Fits on T-adapter piece or for gland G 3/4" e.g. on cleaning pipe</p> <p>&gt; 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
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### Stirring device connection slanted

#### Stirring device connection, slanted welding

1 NW 40	1,000–3,600	AISI304	-	KA -121F
2 NW 50	1,000–3,600	AISI304	-	KA -121G

### Instead of stirring device connection

AG 37 W 47 x 1 / 9"

> S0-Z, R0-Z



#### Stirring device connection neck

1 External thread NW 40 DIN 11851	820–1,200	AISI304	-	RW-160B
2 External thread NW 50 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

### For 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 bubbles

1 Flange-DN 65	1,000–3,600	AISI304	-	FL -065A
2 Flange-DN 80	1,000–3,600	AISI304	-	FL -080A
3 Flange-DN 100	1,000–3,600	AISI304	-	FL -100A
4 Flange-DN 150	1,600–3,600	AISI304	-	FL -150A
5 Flange-DN 200	1,600–3,600	AISI304	-	FL -200A
6 Flange-DN 250	1,600–3,600	AISI304	-	FL -250A






#### 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	AISI304	-	FZ -150A
2 Flange-DN 200	1,600–3,600	AISI304	-	FZ -200A
3 Flange-DN 250	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>					
 <p><b>Weld-on gland horizontally</b>                      &gt; Weld-on gland horizontally at tank shell                      (from NW40 upwards with reinforcement plate)                      &gt; DIN 11851 or Clamp DIN 32676 / DIN 11864</p>	<b>1</b> NW 10	820-3,600	AISI304	-	SH -010A
	<b>2</b> NW 20	820-3,600	AISI304	-	SH -020A
	<b>3</b> NW 25	820-3,600	AISI304	-	SH -025A
	<b>4</b> NW 32	820-3,600	AISI304	-	SH -032A
	<b>5</b> NW 40	820-3,600	AISI304	-	SH -040A
	<b>6</b> NW 50	820-3,600	AISI304	-	SH -050A
	<b>7</b> NW 65	820-3,600	AISI304	-	SH -065A
	<b>8</b> NW 80	820-3,600	AISI304	-	SH -080A
	<b>9</b> NW 100	1,000-3,600	AISI304	-	SH -100A
	<b>10</b> NW 125	1,000-3,600	AISI304	-	SH -125A
	<b>11</b> NW 150	1,000-3,600	AISI304	-	SH -150A
	 <p><b>Weld-on gland vertically</b>                      &gt; Weld-on gland vertically at the tank top or                      tank bottom                      &gt; DIN 11851 or Clamp DIN 32676 / DIN 11864</p>	<b>1</b> NW 20	820-3,600	AISI304	-
<b>2</b> NW 25		820-3,600	AISI304	-	SV -025A
<b>3</b> NW 32		820-3,600	AISI304	-	SV -032A
<b>4</b> NW 40		820-3,600	AISI304	-	SV -040A
<b>5</b> NW 50		820-3,600	AISI304	-	SV -050A
<b>6</b> NW 65		820-3,600	AISI304	-	SV -065A
<b>7</b> NW 80		820-3,600	AISI304	-	SV -080A
<b>8</b> NW 100		1,000-3,600	AISI304	-	SV -100A
<b>9</b> NW 125		1,000-3,600	AISI304	-	SV -125A
<b>10</b> NW 150		1,000-3,600	AISI304	-	SV -150A
 <p><b>CO<sub>2</sub>-connection</b>                      &gt; Weld-on gland AG 3/4" vertically on tank top /                      horizontally at tank shell</p>		-	-	-	GS -091A
	<b>CO<sub>2</sub>-shut-off tap</b>		-	-	87986



Open top tanks

Closed tanks

Tanks for mixing, transportation and storage





Pressure tanks

Cooling and heating

Accessories

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

## ACCESSORIES (MISCELLANEOUS)

Item	Tank-ø mm	Material	Order No. loose	Order No. mounted
<b>Insulation</b>				
 <p><b>Seal welded insulation</b>            › 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>	1,000–1,600	-	-	ISO-100A
 <p><b>Riveted / screwed insulation</b>            › 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>	1,000–1,600	-	-	ISO-200A
<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 2014 / 68 / EU				
 <p><b>TÜV-test with documentation</b>            1 For each tank            2 One only for each entire order</p>	1,000–1,600 1,000–1,600	- -	TÜV-001 TÜV-002	- -
<b>Additional costs for modification</b>				
<b>In case of variations from the listed version</b>	350– 820	-	00024	-
<b>(plus additional costs of the structural element)</b>	1,000–3,000	-	00019	-