

STAINLESS
STEEL TANKS



STAINLESS STEEL TANKS

CUSTOMIZED AND LASTING VALUE

Börger stainless steel tanks in segmental design are perfect for storing liquids of almost any type.

Börger stainless steel tanks are built to match the volume and the properties of the liquid to be stored. Capacities of 30 to 5,000 m³, various stainless steels and roof constructions as well as diverse accessories allow a customized solution for almost any application.

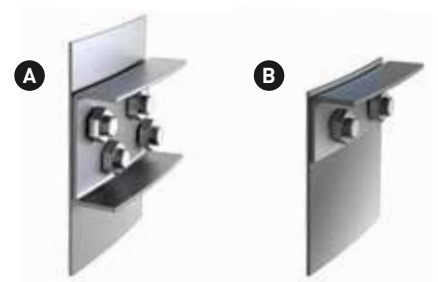
Due to the segmental design of the tanks, vertical extension is possible without problems. In addition, the tanks can be dismantled – even after years of use – and reconstructed at a different location. The segments are easy to transport (compact) and can also be installed in existing premises.

DURABLE DESIGN

Our stainless steel tanks are designed for a long service life. The thick-walled stainless steel segments are bolted vertically in overlapping double rows.

In the horizontal transition of the segments, special U-profiles **[A]** connect the individual walls to each other. This stabilizes the tank wall effectively.

At the top of the tank, there are all-round resilient bracing profiles **[B]**.



VERSATILE USE

Thanks to various capacities, materials, roof variations, mixers and other attachment parts, Börger tank systems can be designed such that they are perfectly suited for your application:

- Process water tank
- Sludge tank
- Liquid manure storage
- Aeration tank
- Biogas fermenter or final storage
- Digestion tower
- Storage for liquid feed or moist cereal
- Fire-extinguishing water storage
- Liquid fertilizer storage
- Storage tank for liquids of any type
- etc.

CONSTRUCTION AND FUNCTION

1 Stainless steel segments

The tanks consist of individual segments (1500 mm x 3020 mm) which are fixed to each other with screws. This way, the tanks can be dismantled, if required, and reconstructed at a different location.

2 Roof construction

A large selection of roof constructions provides the right solution for every application.

3 Working platform

The working platform provides safe and easy access to the adjustment unit of your agitator technology, the service flap or a sight glass. On request, we manufacture the working platform exactly to your specification.

4 Filling and draining pipes

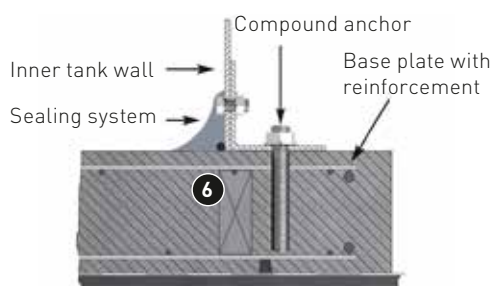
For optimum use, we design the filling and draining system according to your wishes. The tank can be connected to a pipeline system via tank connections [7].

5 Maintenance and service flap

Depending on the use provided, the maintenance and service flap of the required design is attached in the ideal location at the tank.

6 Floor anchoring

The tank is connected to the foundation surface by means of compound anchors and sealed permanently and safely by means of a sealing system.



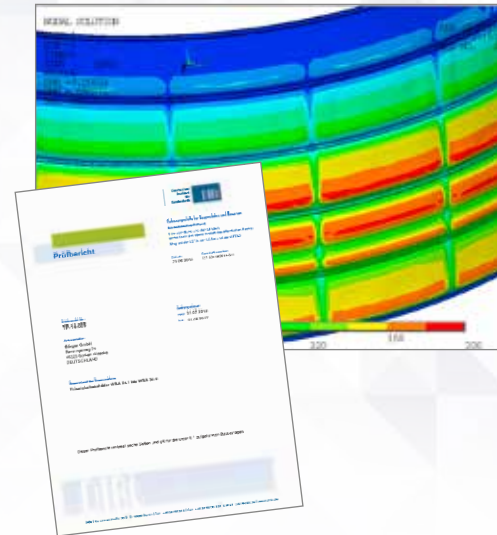
FLEXIBLE ADAPTATION TO YOUR REQUIREMENTS

Depending on the application and spatial requirements, the tank can be constructed with different diameters and heights while providing the same capacity.

This allows ideal space utilization and the perfect integration into your work process.

Börger stainless steel tanks can be designed such that they can be extended by additional segment rings any time. This way you can obtain additional storage space easily and cost-effectively, if required.

The Börger standard tank is static-tested and certified which facilitates the approval process.



CAPACITIES OF TANKS

Type	Cyl. height Ø (m)*	Area (m ²)	1	2	3	4	5	6	7	8
			1,50 m	3,00 m	4,50 m	6,00 m	7,50 m	9,00 m	10,50 m	12,00 m
04	3,71	11		32 m ³	49 m ³	65 m ³	81 m ³	97 m ³	114 m ³	130 m ³
05	4,63	17		51 m ³	76 m ³	101 m ³	126 m ³	152 m ³	177 m ³	202 m ³
06	5,56	24	36 m ³	73 m ³	109 m ³	146 m ³	182 m ³	219 m ³	255 m ³	291 m ³
07	6,48	33	49 m ³	99 m ³	148 m ³	198 m ³	247 m ³	297 m ³	346 m ³	396 m ³
08	7,41	43	65 m ³	129 m ³	194 m ³	259 m ³	323 m ³	388 m ³	453 m ³	517 m ³
09	8,34	55	82 m ³	164 m ³	246 m ³	328 m ³	410 m ³	492 m ³	574 m ³	656 m ³
10	9,26	67	101 m ³	202 m ³	303 m ³	404 m ³	505 m ³	606 m ³	707 m ³	808 m ³
11	10,19	82	122 m ³	245 m ³	367 m ³	489 m ³	612 m ³	734 m ³	856 m ³	979 m ³
12	11,12	97	146 m ³	291 m ³	437 m ³	583 m ³	728 m ³	874 m ³	1.020 m ³	1.165 m ³
13	12,04	114	171 m ³	342 m ³	512 m ³	683 m ³	854 m ³	1.025 m ³	1.195 m ³	
14	12,97	132	198 m ³	396 m ³	595 m ³	793 m ³	991 m ³	1.189 m ³	1.387 m ³	
15	13,89	152	227 m ³	455 m ³	682 m ³	909 m ³	1.136 m ³	1.364 m ³		
16	14,82	173	259 m ³	517 m ³	776 m ³	1.035 m ³	1.294 m ³	1.552 m ³		
17	15,75	195	292 m ³	584 m ³	877 m ³	1.169 m ³	1.461 m ³	1.753 m ³		
18	16,67	218	327 m ³	655 m ³	982 m ³	1.310 m ³	1.637 m ³	1.964 m ³		
19	17,60	243	365 m ³	730 m ³	1.095 m ³	1.460 m ³	1.825 m ³	2.190 m ³		
20	18,53	270	405 m ³	809 m ³	1.214 m ³	1.618 m ³	2.023 m ³	2.427 m ³		
21	19,45	297	446 m ³	891 m ³	1.337 m ³	1.783 m ³	2.228 m ³			
22	20,38	326	489 m ³	979 m ³	1.468 m ³	1.957 m ³	2.447 m ³			
23	21,30	356	534 m ³	1.069 m ³	1.603 m ³	2.138 m ³	2.672 m ³			
24	22,23	388	582 m ³	1.164 m ³	1.747 m ³	2.329 m ³	2.911 m ³			
25	23,16	421	632 m ³	1.264 m ³	1.896 m ³	2.528 m ³	3.160 m ³			
26	24,08	456	683 m ³	1.366 m ³	2.049 m ³	2.732 m ³	3.416 m ³			
27	25,01	491	737 m ³	1.474 m ³	2.211 m ³	2.948 m ³	3.684 m ³			
28	25,94	528	793 m ³	1.585 m ³	2.378 m ³	3.171 m ³	3.964 m ³			
29	26,86	567	850 m ³	1.700 m ³	2.550 m ³	3.400 m ³	4.250 m ³			
30	27,79	606	910 m ³	1.820 m ³	2.729 m ³	3.639 m ³	4.549 m ³			
31	28,71	648	971 m ³	1.942 m ³	2.913 m ³	3.884 m ³	4.855 m ³			
32	29,64	690	1.035 m ³	2.070 m ³	3.105 m ³	4.140 m ³	5.175 m ³			
33	30,57	734	1.101 m ³	2.202 m ³	3.303 m ³	4.404 m ³				
34	31,48	779	1.167 m ³	2.335 m ³	3.502 m ³	4.670 m ³				

Special and intermediate sizes possible

MATERIAL VARIETY

To be able to build a tank which is perfectly suited for any type of stored liquid, we offer our stainless steel tanks in various materials.

High-quality stainless steels and solid wall thicknesses guarantee a long service life along with maximum lasting value while giving you peace of mind knowing that you have opted for the right tank.

- Stainless steel 1.4301
- Stainless steel 1.4571
- Stainless steel 1.4536
- Duplex stainless steel 1.4162
- Duplex stainless steel 1.4662
- additional materials on request

- + Various capacities of 30 to 5,000 m³ can be selected for the best cost-benefit-ratio
- + Extendable, if required, for flexible and cost-effective storage space expansion
- + High-quality materials and the dismantling option ensure lasting value and flexibility
- + Versatile use thanks to different sizes, materials and roof constructions
- + Completely maintenance-free
- + Can be bolted gas-proof

NUMEROUS ROOF VARIATIONS

Whether you require emission protection, gas-proof sealing or no roof at all – we have the right solution for you.

No roof



Stretch ceiling cover (one layer)



Gas-proof stretch ceiling cover (one or two layers)



Double membrane air-supported roof



GRP roof (cupola roof)



Stainless steel roof

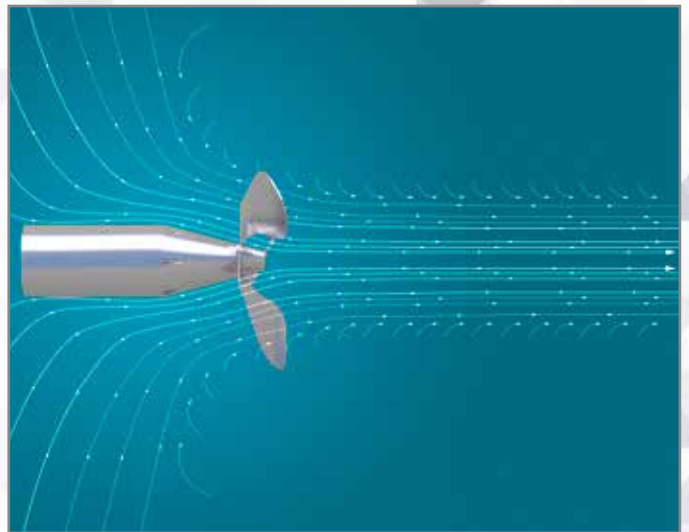


B-MX SUBMERSIBLE MIXER MORE EFFECTIVE AGITATION

The B-MX submersible mixer ensures that stored liquids containing solids are mixed reliably and effectively. Agitation prevents the formation of sinking and floating layers and the liquid is processed optimally.



The compact submersible mixer is very powerful and can be retrofitted into existing systems with ease.



The smooth and streamlined design of the mixer allows liquid to flow to the displacement blades without creating turbulence. This ensures excellent agitation results with minimum energy input.