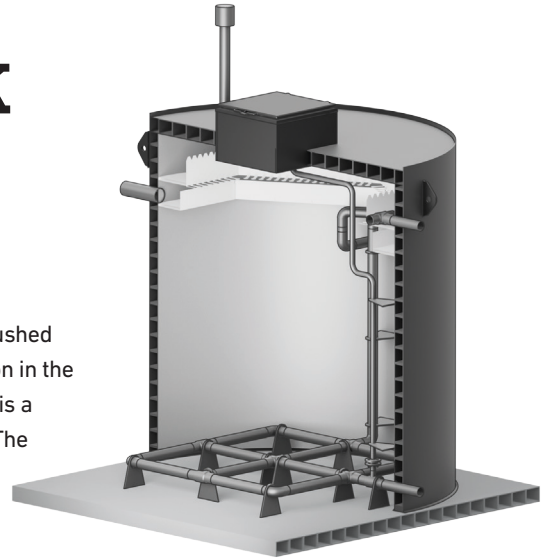


Fact Sheet Flowise Alkalization Tank

Natural limestone alkalization for corrosion control

Engineered pH stabilization through passive limestone filtration

The alkalization tank increases the water's pH-value by leading the water through crushed limestone. Low alkalinity or a low pH-value of the water increases the risk of corrosion in the network due to iron dissolving from the network materials. Alkalization by limestone is a risk-free way to improve the water quality, for there is no risk of chemical overdose. The alkalization process is cost-effective and requires only a minimal amount of energy.



Up to 70 % faster installation*

Pre-assembled, plug-and-play design reduces installation time, labor, and site disruption.

*compared to traditional materials such as concrete



Safe installation in high groundwater conditions

Oversized Weholite® bottom provides counterweight stability—no additional anchoring required.



Watertight by design

Leak-tight chamber keeps components dry, preventing corrosion and minimizing maintenance.



Up to 100-year service life

Durable polyethylene chamber ensures outstanding long-term performance.

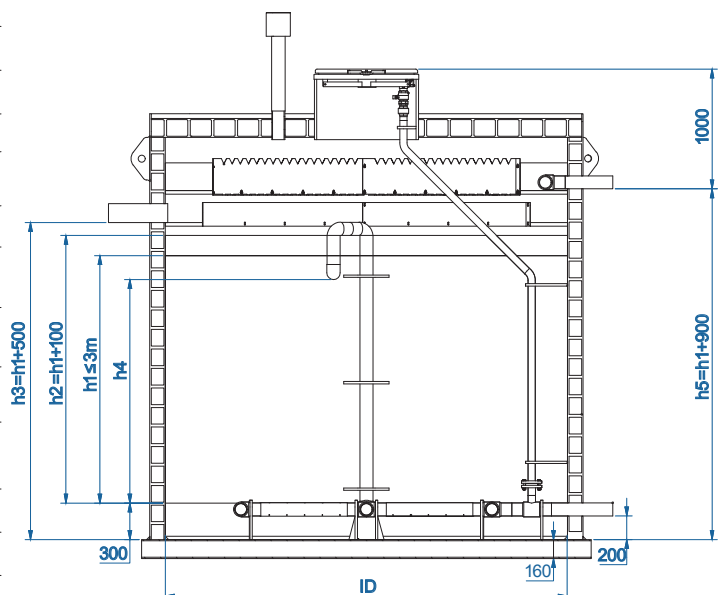


Peace of mind

Expert engineering with high-quality GF components.

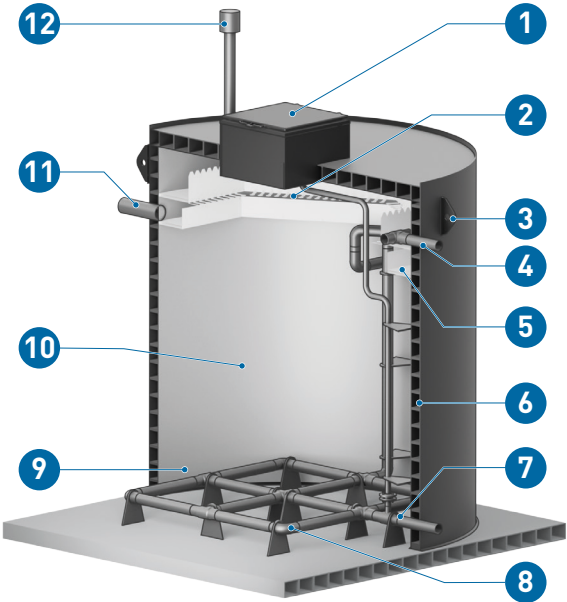
Technical data

Application	Potable Water System	Standards	EN 13598, EN 13476 (tanks/chambers), EN 1074 (valves), EN 12201 (piping), EN 1092 (flanges)
Material	PE 100	Local regulations	Germany: DVGW Codes of Practice
Color	Black (outside), white (inside)		
Medium	Water		
Temperature ambient	- 40 °C to 50 °C		
Temperature material	0 °C to 40 °C		
Valve variants	Butterfly valve, gate valve, ball valve, project-specific		
Ring stiffness	SN2, SN4, SN8 or by agreement		
Technical chamber body inner diameter (ID)	Customizable		
Limestone crush fill level (h1)	Project-specific		
Water fill level (h2)	Project-specific		
Tank height, bottom to spool water outlet (h3)	Project-specific		
Tank height, spooling pipes to outlet pipe (h4)	Project-specific		
Tank height, bottom to inlet pipe (h5)	Project-specific		
Nominal flow	Project-specific		
Anchoring variants	Self-anchoring base plate		
Approvals	National Attestation of Conformity of the Hygienic Suitability of Drinking Water (DVGW-Konformitätsbestätigung Hygiene)		



Components

Pos.	Designation
1	Lockable insulate aluminum lid
2	Adjustable inlet weir aerator
3	Raw water inlet pipe
4	Outlet pipe
5	Spool water collector
6	Technical chamber body PE 100
7	Spool water inlet
8	Collection and spooling pipes
9	Drainage layer
10	Limestone crush volume
11	Spool water outlet
12	Ventilation



Customizable components

- Technical chamber body PE 100 dimensions
- Lockable insulate aluminum lid (600x600, 800x800)
- Ventilation (DN 100 Aisi 304, Amphyvent125)
- Raw water inlet pipe (DN)
- Outlet pipe (DN 100, h4)
- Collection and spooling pipes (DN 100, DN 160)
- Limestone volume (m³, h1 mm)
- Drainage layer (drainage gravel, sand, limestone crunch)

Technical chamber dimensions					
ID [mm]	2000	2400	3000	3400	other

Item number

Item no.	Description
35001140526	Alkalization tank



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