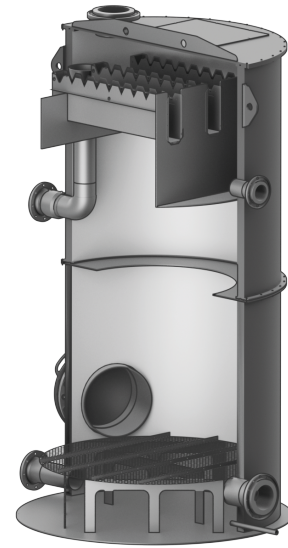


Fact Sheet Flowise Aeration Tank

Oxygenating water for better quality

Water preparation through sensory quality improvement

The aeration tank removes carbon dioxide and radon as well as carbon monoxide, iron and manganese from the water and improves the sensory quality (taste, smell, look). This process results in a mitigated risk of networks sedimentation and improves the water's buffering abilities. In the aeration tank, the water is oxygenated. Therefore, the water's pH-value rises, enhancing the water's suspension reaction.



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



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.

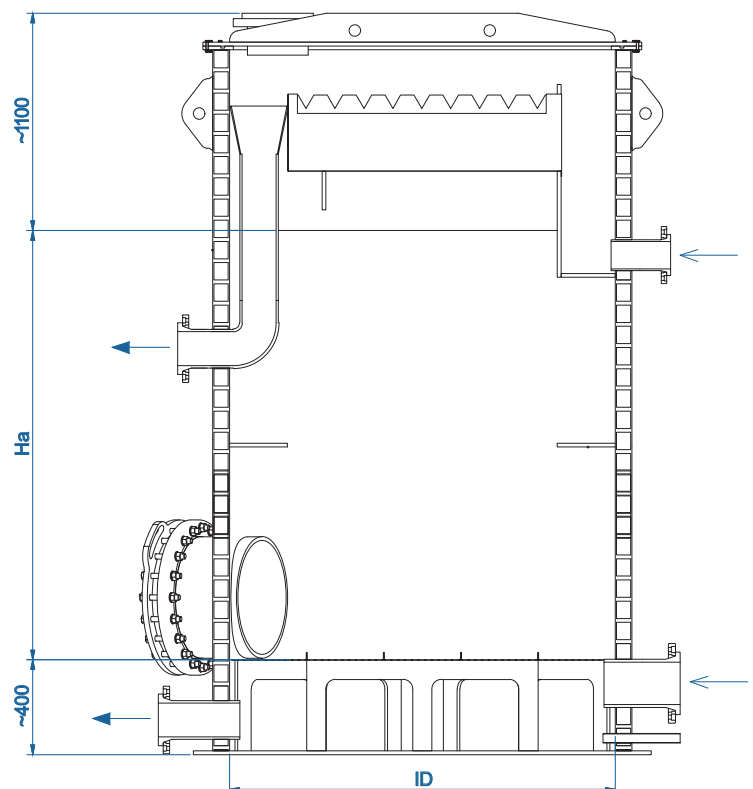


Peace of mind

Expert engineering with high-quality GF components.

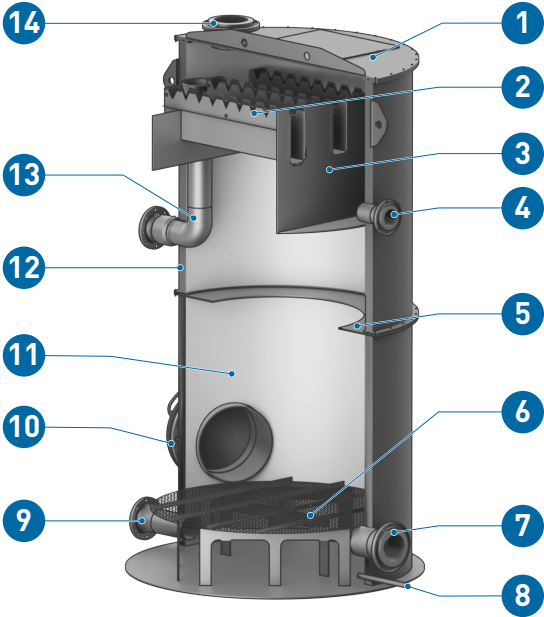
Technical data

Application	Potable Water System
Material	PE 100
Color	Black (outside), white (inside)
Medium	Water
Temperature ambient	- 40 °C to 50 °C
Temperature material	0 °C to 40 °C
Ring stiffness	SN2, SN4, SN8 or by agreement
Technical chamber body inner diameter (ID)	Customizable
Technical chamber body height, bottom grit to inlet pipe (Ha)	Customizable
Material inspection lid	Polycarbonate
Nominal flow	Project-specific
Approvals	National Attestation of Conformity of the Hygienic Suitability of Drinking Water (DVGW-Konformitätsbestätigung Hygiene)
Standards	EN 13598, EN 13476 (tanks/chambers), EN 1074 (valves), EN 12201 (piping), EN 1092 (flanges)
Local regulations	Germany: DVGW Codes of Practice



Components

Pos.	Designation
1	Inspection lid, polycarbonate
2	Adjustable sprinkler weir
3	Settlement area
4	Raw water inlet pipe
5	Liquid distributor plate
6	Bottom grid
7	Air inlet
8	Drain pipe
9	Water outlet pipe
10	Inspection hatch (optional)
11	Cascade aerator volume
12	Technical chamber body PE 100
13	Overflow pipe
14	Air outlet



Customizable components

- Technical chamber body PE 100 dimensions
- Inspection lid, polycarbonate (ø600x600, ø800x800)
- Raw water inlet pipe (DN)
- Cascade aerator volume (Volume, Ha)
- Air inlet (DN)
- Air outlet (DN 315, mm)
- Emptying pipe (DN)
- Water outlet pipe (DN)
- Overflow pipe (DN)

Technical chamber dimensions						
ID [mm]	1400	2000	2400	3000	3400	other

Optional components

- Inspection hatch

Item number

Item no.	Description
35001140525	Aeration tank



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