

**Uponor Flowise:
Alkalization Tank**

Technical Datasheet

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Uponor Flowise: Alkalization Tank



Made of drinking water approved material.

Patented functional design.

Increases water pH by use of limestone.

Safe and clean process, no risk of overdosing.

Easy inspection and replenishment of limestone.

Backwashing filter media to clear away iron, manganese, and humus.

Carbon dioxide removal booster EU patent pending.

Alkalization Tank

Low water alkalinity can increase corrosion in the distribution network, due to iron dissolving from the network materials.

The higher the alkalinity, the more oxygen is needed to change the water pH value; and the lower the alkalinity, the easier it is to change the pH value. Drinking water pH range is normally specified to 7,5-9,0.

Filtration of water through crushed limestone results in increased water pH and alkalinity. It is a safe and cost-effective process that requires a small amount of energy.

Application	Potable Water System
Material	PE100 (tank body)
Dimension (ID)	2000 – 3500 mm
Colour	Black (outside) Light gray (inside)
Standards	-
Approvals	-

Properties and assortment

System properties

Individually designed for the use case. Available options listed in the *Uponor Flowise Alkalization Tank* type drawing.

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Rule of thumb: 1 m³ limestone treats approximately 1 m³ water per hour.

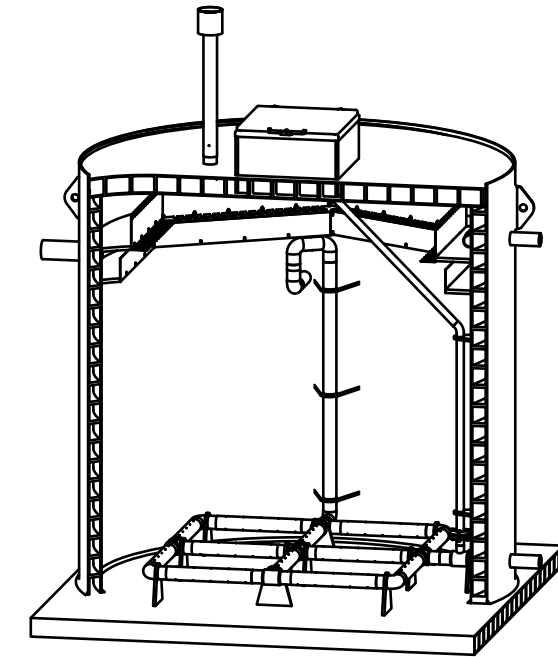
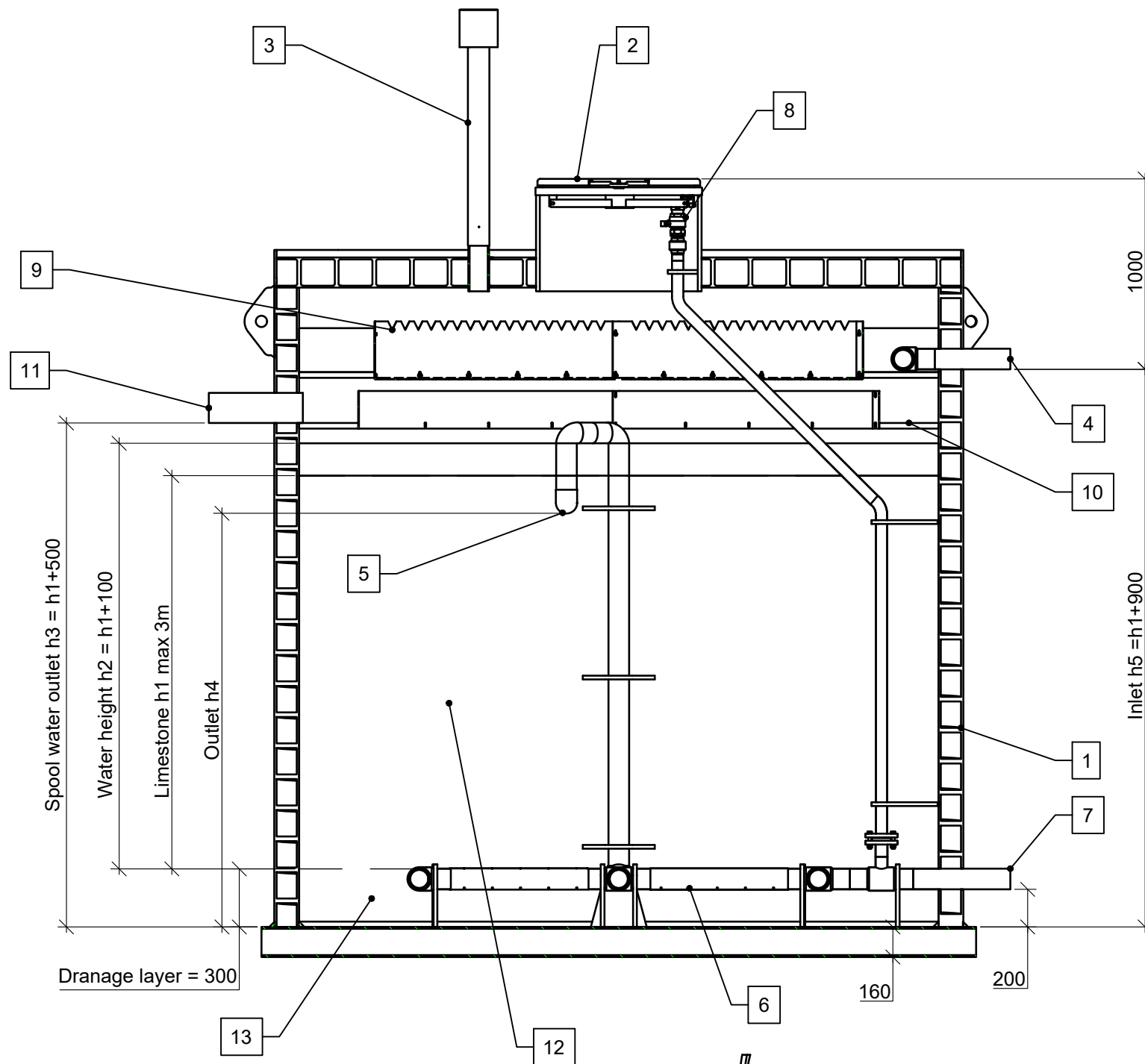
Alkalization Tank

Uponor no 1140526



Uponor Flowise Alkalization Tank

Uponor Flowise Alcalization tank



Limestone alcalization tank			
Pos.	Description	Model/Size	Qty.
1	Tank body PE100	() 2000 () 2400 () 3000 () 3400 () Other: _____	1
2	Insulate aluminium lid. Lockable	() 600x600 () 800x800	1
3	Ventilation	() DN 100 Aisi 304 () Amphyvent 125	0-1
4	Raw water Inlet pipe	DN _____	1
5	Outlet pipe	DN 100 h4: _____	1
6	Collection and spooling pipes	() DN 100 () DN 160	1
7	Spool water inlet	DN 100	1
8	Spool air connection and valve	2"	1
9	Inlet veir aerator, Adjustable		1
10	Spool water collector		1
11	Spool water outlet	DN 160	1
12	Limestone volume	_____ m ³ / h1 _____ mm	
13	Dranlage layer	Dranlage gravel,sand or fill with limestone cruch	
Attenuation time [min]			

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CASE NUMBER	DRAWN BY	HANDLED BY
-	---	---
DATE	CONTACT PERSON	
09-08-2023	---	
CONTENT		
Alcalization tank		
SCALE	NUMBER	
1:30 (A3)	1140526-1	

Moving > Water

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Uponor Corporation

Ilmalantori 4

00240 Helsinki

Finland

T +358 (0)20 129 211

F + 358 (0)20 129 2841

www.uponor.com