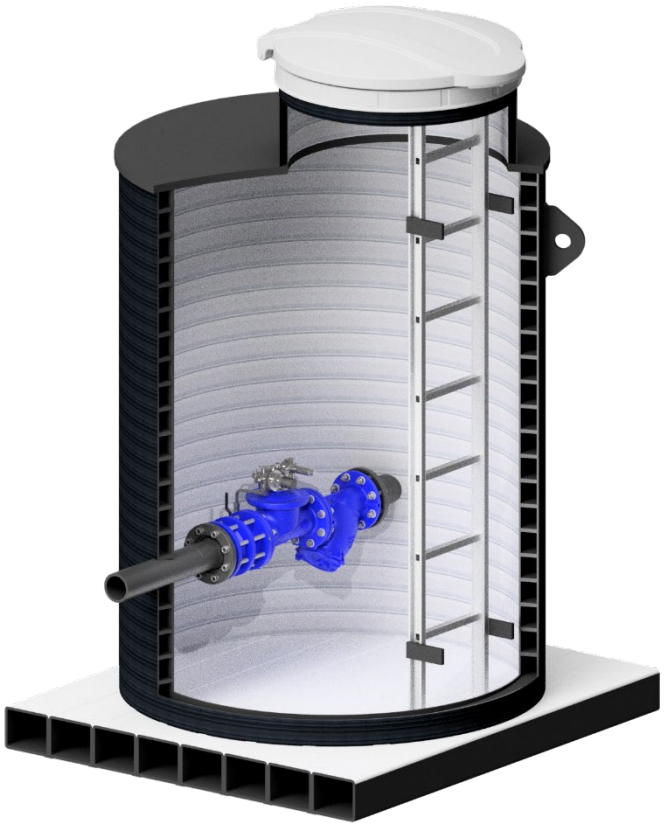
Uponor Flowise: Pressure Reducing Chamber

Technical Datasheet

Uponor Flowise: Pressure Reducing Chamber



Hosts equipment for limiting the water pressure to a desired level and to reduce the risk of pipe bursts.

It is usually installed in low land areas where otherwise may be an over pressure.

May contain sensors for pressure monitoring etc.

Pressure Reducing Chamber

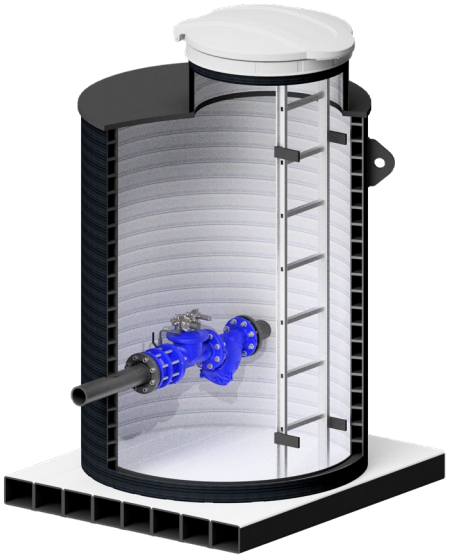
A water distribution system is dimensioned to ensure that the pressure can be kept within defined limits to serve all users. Topological differences within the area usually requires that the system is divided into different pressure zones. Too high pressure increases the risk of pipe leakages and water loss.

An area where the pressure must be reduced is defined as a "low-pressure zone". A low-pressure zone is usually connected to a higher-pressure zone via a pressure reducing valve point which ensures that the defined pressure level is not exceeded.

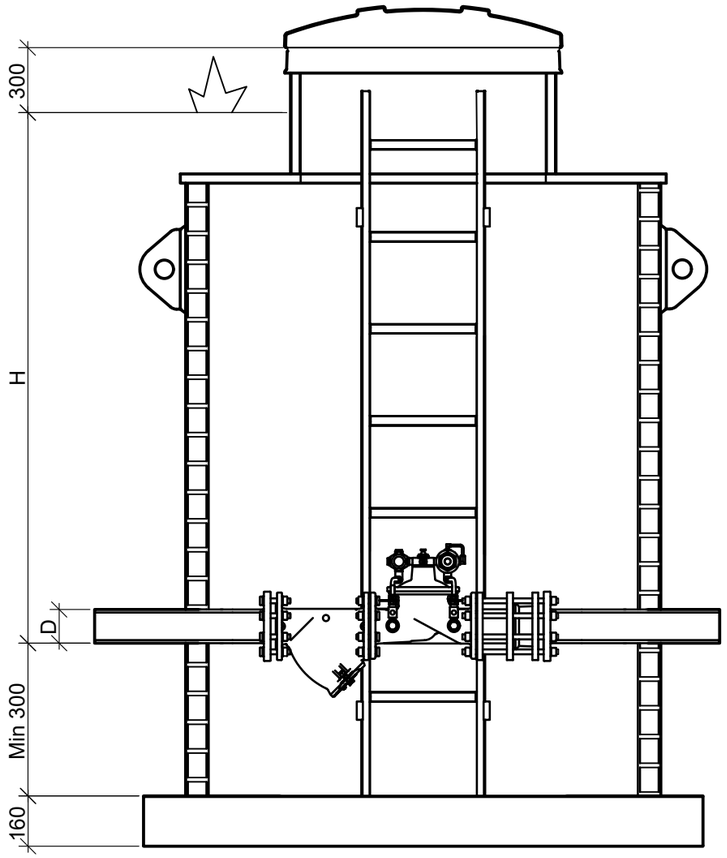
Application	Potable Water System
Material	PE100 (chamber body)
Dimension (ID) chamber body	1000 – 3000 mm
Colour	Black (outside) Light gray (inside)
Standards	EN 13598-2, EN 476
Approvals	Pipe design approved according NPM up to 3000 mm

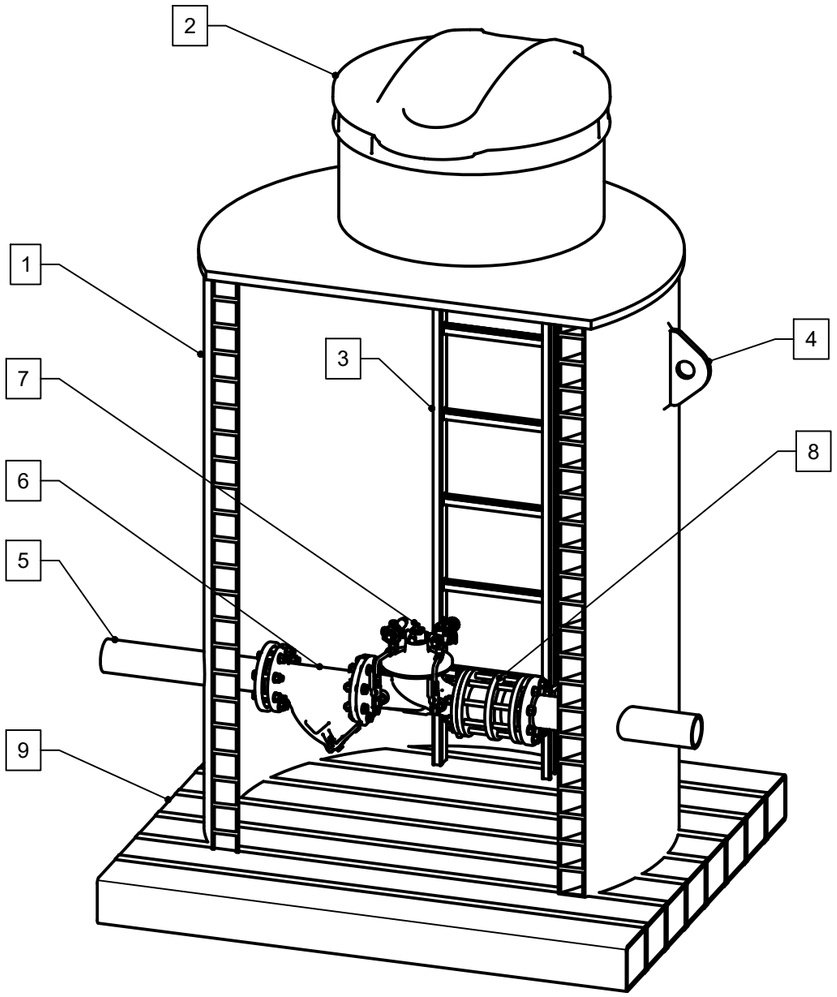
Properties and assortment

System properties
Equipment is based on customer specifications. Available options listed in the *Uponor Flowise Pressure Reduction Chamber* type drawing.
Hosts equipment for limiting and maintaining the water pressure at a desired level. This reduces the risk of pipe bursts and water loss.
Has a lockable door in metal or plastic.
Can be delivered as ready to install.

Pressure Reducing Chamber	Uponor no 1140530
	Uponor Flowise Pressure Reducing Chamber

Uponor Flowise
Pressure reduction chamber



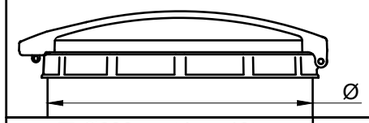


Pressure reduction chamber			
Pos.	Description	Model/Size	Qty.
1	Chamber body PE100	Acc. selection	1
2	Chamber top	Acc. selection	1
3	Ladder	Acc. selection	0-1
4	Lifting yoke		2-4
5	Pressure pipe	Acc. selection	1
6	Strainer Valve	Acc. selection	1
7	Pressure regulating valve	Acc. selection	1
8	Dismantling joint	( ) YES ( ) NO	1
9	Bottom, self anchoring		1

Selections	
Feature	Selection
Chamber body diameter	( ) 1000 ( ) 1200 ( ) 1250 ( ) 1400 ( ) 1600 ( ) 2000 ( ) 2400 ( ) 3000 ( ) Other: _____
Top solution	( ) A ( ) B ( ) D ( ) E
Ladder*	( ) YES ( ) NO
Groundwater level above invert	( ) YES ( ) NO _____ m
Handrail*	( ) YES ( ) NO
Pressure pipe invert from ground level	H= _____ mm
Pressure pipe diameter	D=_____mm PN=_____
Secondary pressure	_____ bar
Gate Valve	( ) NO ( ) 1 pce ( ) 2 pce
Strainer Valve	( ) YES ( ) NO

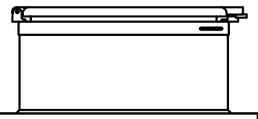
☐ Ø 860/800
☐ Safety gritt

A



☐ 600X600 aluminium
☐ 800X800 aluminium

B

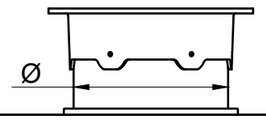


☐ Ø600 cast iron 40tn
☐ Ø630 cast iron 40tn
☐ Without cast iron cover

D

☐ Ø630 cast iron 40tn 0,75m
☐ Ø800 cast iron 40tn 0,75m

E



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CASE NUMBER	DRAWN BY	HANDLED BY
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DATE	CONTACT PERSON	
09.08.2023	---	

CONTENT
Pressure reduction chamber

SCALE	NUMBER
1:20 (A3)	1140530-1

Rev. 1

Moving
> Water

uponor

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