

**Uponor Flowise:
Measuring Chamber**
Technical Datasheet

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Uponor Flowise: Measuring Chamber



The chamber hosts and protects equipment for water monitoring operations.

Typical water parameters monitored are

- Flow
- Pressure
- Temperature
- Quality

Chambers are to be positioned in strategically important locations where they enable the detection of obsolete consumption pattern or water parameters.

Measuring Chamber

A measuring chamber is a protective unit hosting various type of measuring equipment. Most common is mechanical consumption meters or digital flow meters connected to an automation system. It can also have pressure sensors, temperature sensors, or quality monitoring devices.

It is an important component to enable leakage detection in distribution networks. The network is divided into "District Metering Areas" (DMA) and chambers hosting flow meters are installed in each entry/exit point to a DMA.

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 Measuring Chamber* type drawing.

Hosts equipment for monitoring operations.

Typical monitored water parameters are flow, pressure, temperature, and quality.

Can be delivered as ready to install.

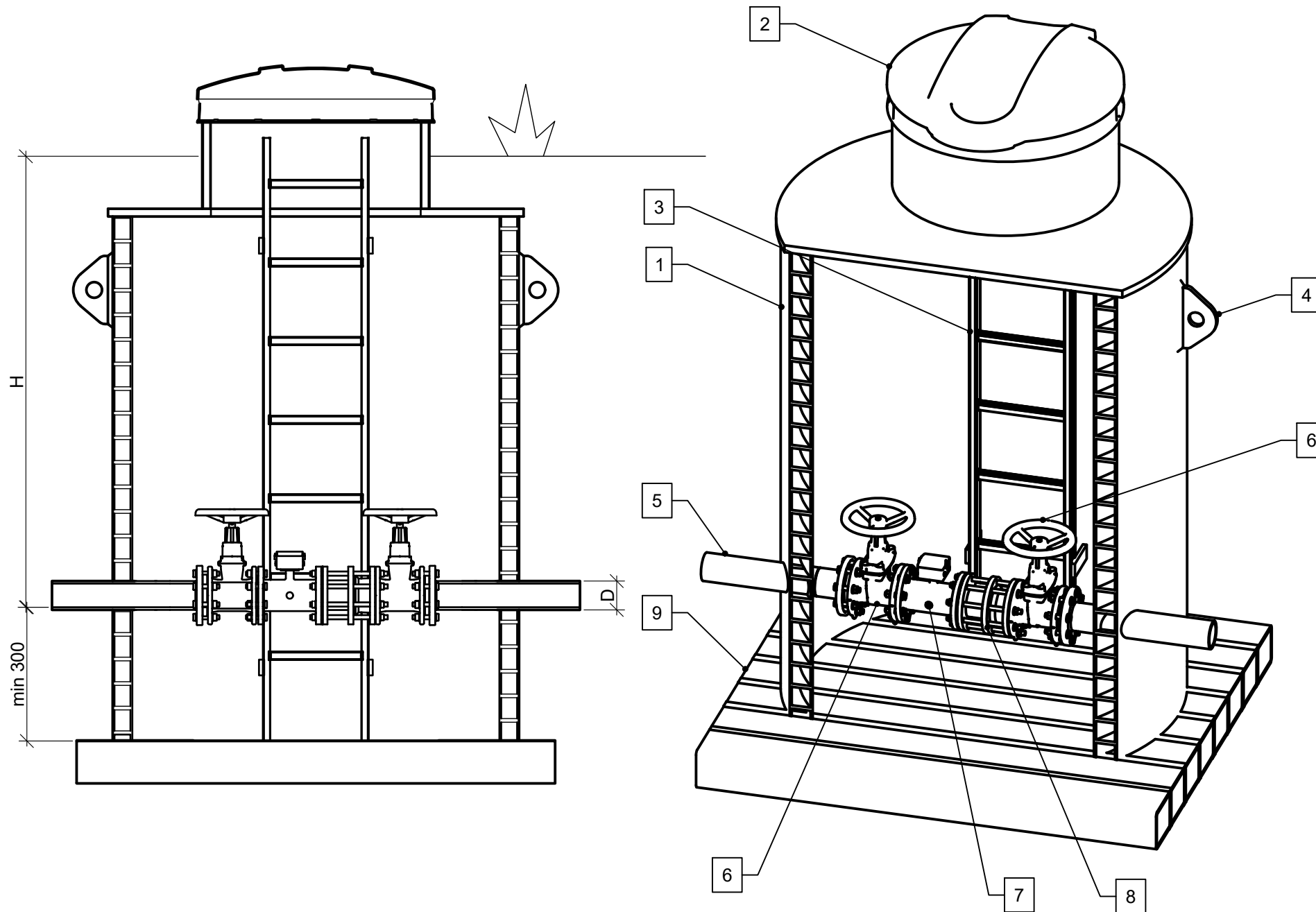
Measuring Chamber

Uponor no 1140532



Uponor Flowise Measuring Chamber

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Measuring chamber			
Pos.	Description	Model/Size	Qty.
1	Chamber body PE100	<input type="checkbox"/> 1000 <input type="checkbox"/> 1200 <input type="checkbox"/> 1250 <input type="checkbox"/> 1400 <input type="checkbox"/> 1600 <input type="checkbox"/> 2000 <input type="checkbox"/> 2400 <input type="checkbox"/> 3000 <input type="checkbox"/> Other: _____	1
2	Chamber top	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> D <input type="checkbox"/> E	1
3	Ladder	<input type="checkbox"/> YES <input type="checkbox"/> NO	0-1
4	Lifting yoke		2-4
5	Pressure pipe	D= _____ mm	1
6	Gate Valve	Acc. selection	2
7	Flow meter	<input type="checkbox"/> Wastewater <input type="checkbox"/> Potable water DN _____	1
8	Dismantling joint	<input type="checkbox"/> YES <input type="checkbox"/> NO	1
9	Bottom, self anchoring		1
	Handrail*	<input type="checkbox"/> YES <input type="checkbox"/> NO	
Installation			
Groundwater level above invert		<input type="checkbox"/> NO <input type="checkbox"/> YES _____ m	
Pressure pipe invert from ground level		H= _____ mm	

<input type="checkbox"/> Ø 860/800 <input type="checkbox"/> Safety gridd	A	<input type="checkbox"/> 600X600 aluminium <input type="checkbox"/> 800X800 aluminium	B
<input type="checkbox"/> Ø600 cast iron 40tn <input type="checkbox"/> Ø630 cast iron 40tn <input type="checkbox"/> Without cast iron cover	D	<input type="checkbox"/> Ø630 cast iron 40tn 0,75m <input type="checkbox"/> 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		
Measuring chamber		
SCALE	NUMBER	
1:20 (A3)	1140532-1	

Moving > Water

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