

ALTAIR

ROTARY PISTON METER

HYDROMETER



APPLICATION

The ALTAIR water meter is characterized by its versatility. Its large measuring chamber means that it can be used for submetering or as a main meter.

Additionally, it is suitable for different types of water.

ALTAIR meets the metrology standard OIML R49, EN 14 154 and ISO 4064.

ALTAIR is a modular meter and can be fitted at any time with IZAR RADIO reading system, IZAR DOSING or the pulse transmitter IZAR PULSE gateway to other systems.

FEATURES

- ▶ Rotary piston meter
- ▶ DN 15 to DN 40
- ▶ Starting flow rate 2 l/h
- ▶ Modularity
- ▶ Low pressure loss
- ▶ Glass/metal counter in option

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TECHNICAL DATA

Nominal diameter	DN	mm	15	15	15	20	20	25	32	40
Overall length*	L	mm	105	110	165	110	190	260	260	300
Nominal flow rate	Q ₃	m ³ /h	2.5	2.5	2.5	4	4	6.3	10	16
Dynamic range (Q ₃ /Q ₁)*	R		160	160	160	160	160	160	160	160
Starting flow rate		l/h	2	2	2	2	2	3	3	3
Minimum flow rate within calibration error		l/h	5	5	5	5	5	20	40	40
Minimum flow rate	Q ₁	l/h	15.6	15.6	15.6	25	25	39.4	62.5	100
Transition flow rate	Q ₂	l/h	25.0	25.0	25.0	40	40	64	100	160
Overload flow rate	Q ₄	m ³ /h	3.12	3.12	3.12	5	5	7.87	12.5	20
Maximum flow rate within calibration error		m ³ /h	7	7	7	7	7	10	20	20

* Other values on request

APPROVAL

ALTAIR	
MID	LNE-5582
ATEX	On request
Potable water	ACS-WRC-KTW

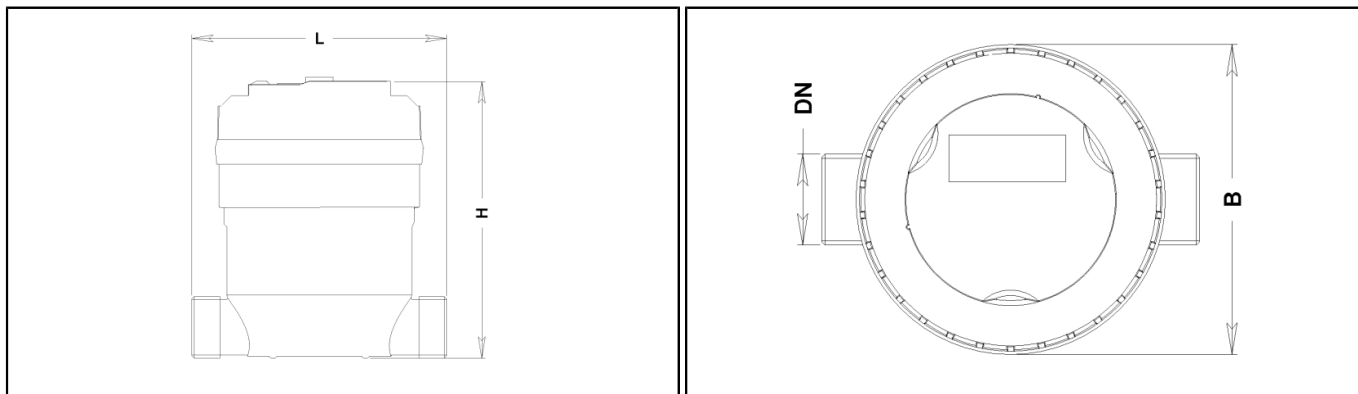
TEMPERATURE AND PRESSURE

ALTAIR	
Medium temperature range	°C 0 ... 30
Nominal pressure	PN bar 16

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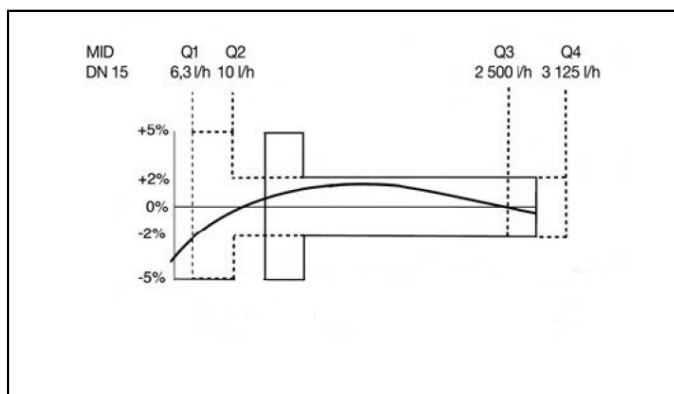
DIMENSIONS



Nominal diameter	DN	mm	15	15	15	20	20	25	32	40
Overall length*	L	mm	105	110	165	110	190	260	260	300
Width	B	mm	90	90	90	90	90	112	170	170
Height	H	mm	122	122	127	127	127	160	190	190
Connection thread - standard		Inch	G $\frac{3}{4}$ B	G $\frac{3}{4}$ B	G $\frac{3}{4}$ B	G1B	G1B	G1 $\frac{1}{4}$ B	G1 $\frac{1}{2}$ B	G2B
Weight		kg	1.0	1.05	1.18	1.24	1.34	2.8	5.25	5.45

* Other values on request

PRECISION CURVE



PRESSURE LOSS (DELTA P = Q²/KVS²)

Nominal diameter	DN	mm	15	15	15	20	20	25	32	40
Overall length*	L	mm	105	110	165	110	190	260	260	300
Kvs			4.24	4.24	4.24	5	5	7.4	16.97	20

ACCESSORY

- Pulse transmitter IZAR PULSE: 1 pulse/liter from DN 15 to DN 40
- Radio module IZAR RADIO 868 H + i
- Non-return valve
- Electronic dosing counter IZAR DOSING

HYDROMETER

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 Subject to technical adjustments