

ALTAIR V3

ROTARY PISTON METER

DIEHL
Metering



APPLICATION

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

FEATURES

- ▶ Modular rotary piston meter
- ▶ DN 15 to DN 40
- ▶ Starting flow rate 2 l/h for DN 15
- ▶ Low pressure loss
- ▶ Installation in all position
- ▶ New counter with modularity "Ha + Ti"
- ▶ Glass/metal counter in option
- ▶ MID approval up to R 500
- ▶ High dynamic range

ALTAIR V3

ROTARY PISTON METER

TECHNICAL DATA

Nominal diameter	DN	mm	15	15	20	15	25	32	40
Overall length*	L	mm	110	170	190	175	260	260	300
Permanent flow rate	Q ₃	m ³ /h	2.5	2.5	4	2.5	6.3 / 10	10	16
Dynamic range (Q ₃ /Q _i)*	R		160	160	160	160	160	160	160
Starting flow rate		l/h	2	2	2	2	5	5	5
Minimum flow rate within calibration error		l/h	5	5	5	5	40	40	40
Minimum flow rate	Q ₁	l/h	15.6	15.6	25	15.6	39.4	62.5	100
Transitional flow rate	Q ₂	l/h	25.0	25.0	40	25.0	64	100	160
Overload flow rate	Q ₄	m ³ /h	3.12	3.12	5	3.12	7.87	12.5	20
Maximum flow rate within calibration error		m ³ /h	7	7	7	7	25	25	25

* Other values on request

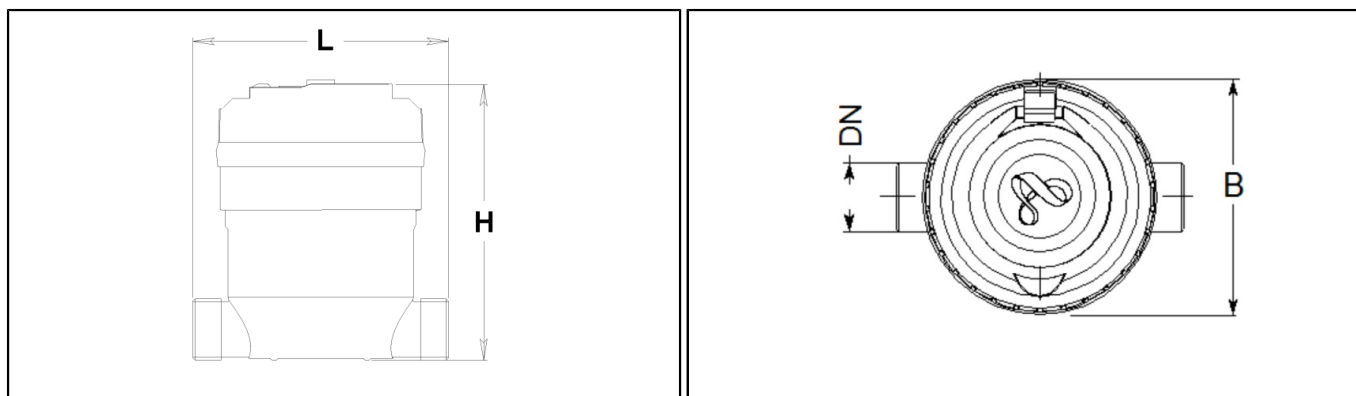
APPROVAL

ALTAIR V3	
MID	LNE-5582
Potable water	ACS-WRAS-KTW

TEMPERATURE AND PRESSURE

ALTAIR V3	
Medium temperature range	°C 0 ... 30
Nominal pressure	PN bar 16

DIMENSIONS



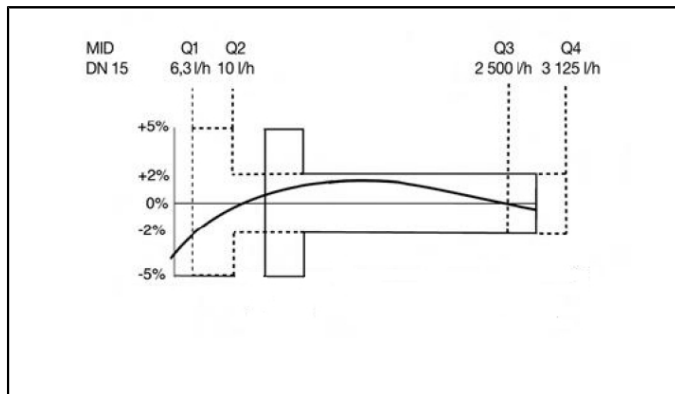
Nominal diameter	DN	mm	15	15	20	15	25	32	40
Overall length*	L	mm	110	170	190	175	260	260	300
Permanent flow rate	Q ₃	m ³ /h	2.5	2.5	4	2.5	6.3 / 10	10	16
Width	B	mm	90	90	90	90	112	170	170
Height	H	mm	122	127	127	132	178	180	182
Connection thread - standard	Inch		G ³ / ₄ B	G ³ / ₄ B	G1B	G1 ¹ / ₄ B	G1 ¹ / ₄ B	G1 ¹ / ₂ B	G2B
Connection thread - optional	Inch		-	-	-	-	-	G1 ¹ / ₄ B	-
Weight	kg		1.05	1.2	1.34	1.30	4.8	5.25	5.45

* Other values on request

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PRECISION CURVE



PRESSURE LOSS ($\Delta P = Q^2/KVS^2$)

Nominal diameter	DN	mm	15	15	20	15	25	32	40
Overall length*	L	mm	110	170	190	175	260	260	300
Permanent flow rate	Q ₃	m ³ /h	2.5	2.5	4	2.5	6.3 / 10	10	16
Kvs			4.24	4.24	5.05	4.24	12.90	16.97	20

* Other values on request

ACCESSORY

- Pulse transmitter IZAR PULSE H + I: 1 pulse/liter
- Radio module IZAR RADIO COMPACT 868 H + I
- Non-return valve
- Electronic dosing counter IZAR DOSING