

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. Additionally, it is suitable for different types of water.

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

FEATURES

- ▶ DN 25 to DN 40
- ▶ Starting flow at 5 l/h
- ▶ Low head loss
- ▶ Installation in all positions
- ▶ Register with modularity "Ha + Ti"
- ▶ MID up to R=800
- ▶ High dynamic range

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METROLOGICAL DATA

Nominal diameter	DN	mm	25	32	40
Length*	L	mm	260	260	300
Nominal flowrate	Q ₃	m ³ /h	6.3	10	16
R*	Q ₃ /Q ₁		160	160	160
Starting flowrate		l/h	5	5	5
Minimum flowrate	Q ₁	l/h	39.4	62.5	100
Transition flowrate	Q ₂	l/h	63	100	160
Maximum flowrate	Q ₄	m ³ /h	7.87	12.5	20
Max. constructor's flowrate		m ³ /h	25	25	25

* Other values on request

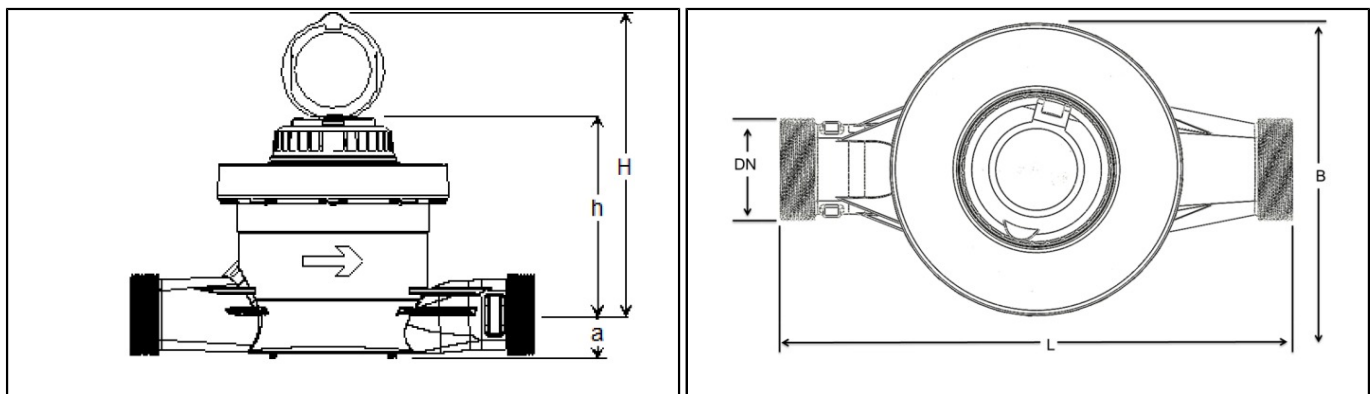
APPROVAL

ALTAIR V3	
MID approval	LNE-5582
Alimentarity	ACS - WRAS - Belgaqua

TEMPERATURE AND PRESSURE

ALTAIR V3	
Medium temperature range	°C 0 ... +50
Nominal pressure	NP bar 16

DIMENSIONS



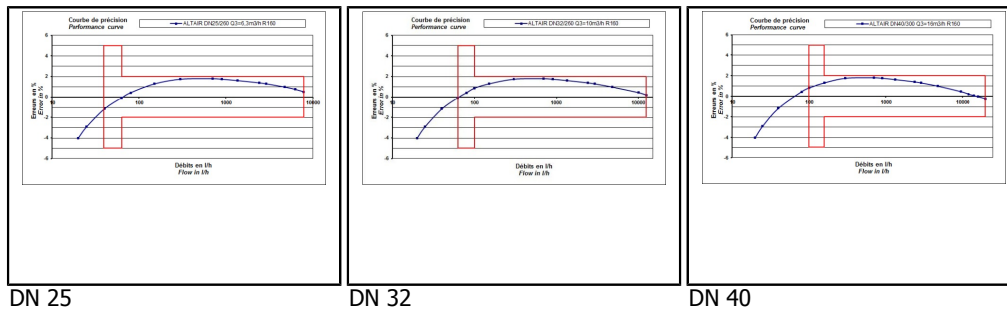
Nominal diameter	DN	mm	25	32	40
Length*	L	mm	260	260	300
Nominal flowrate	Q ₃	m ³ /h	6.3	10	16
Width	B	mm	171.5	171.5	171.5
Height - cover open	H	mm	227.6	227.6	227.6
Height	h	mm	153	153	153
Height	a	mm	31.9	31.9	31.9
Thread connections standard		inch	1"1/4	1"1/2	2"
Thread connections (in option)		inch	-	1"1/4	-
Weight		kg	4.8	5.25	5.45

* Other values on request

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PRECISION CURVE



HEAD LOSS (DELTA P = Q²/KVS²)

Nominal diameter	DN	mm	25	32	40
Length*	L	mm	260	260	300
Nominal flowrate	Q ₃	m ³ /h	6.3	10	16
Kvs			12.90	16.97	20.17

*Other values on request

OPTIONS

Pulse transmitter IZAR PULSE : 1 pulse/liter

Non-return valve - Pair of connectors - Plastic register