

# ALTAIR V3

VOLUMETRIC METER

SAPPEL



## 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 emitter IZAR PULSE gateway to other systems.

## FEATURES

- ▶ DN 15 to DN 40
- ▶ Start flow rate 2 l/h for DN 15
- ▶ Low head loss
- ▶ New register with modularity "Ha + Ti"
- ▶ Glass/Metal register in option
- ▶ MID to R=500
- ▶ High dynamic range

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## VOLUMETRIC METER

### METROLOGICAL DATA

Nominal diameter	DN	mm	15	15	20	25	32	40
Length*	L	mm	110	170	190	260	260	300
Nominal flowrate	Q <sub>3</sub>	m <sup>3</sup> /h	2.5	2.5	4	6.3	10	16
R*	Q <sub>3</sub> /Q <sub>1</sub>		160	160	160	160	160	160
Starting flowrate		l/h	2	2	2	3	3	3
Min. constructor's flowrate		l/h	5	5	5	20	40	40
Min. flowrate	Q <sub>1</sub>	l/h	15.6	15.6	25	39.4	62.5	100
Transition flowrate	Q <sub>2</sub>	l/h	25.0	25.0	40	64	100	160
Maximum flowrate	Q <sub>4</sub>	m <sup>3</sup> /h	3.12	3.12	5	7.87	12.5	20
Max. constructor's flowrate		m <sup>3</sup> /h	7	7	7	10	20	20

\* Other value on request

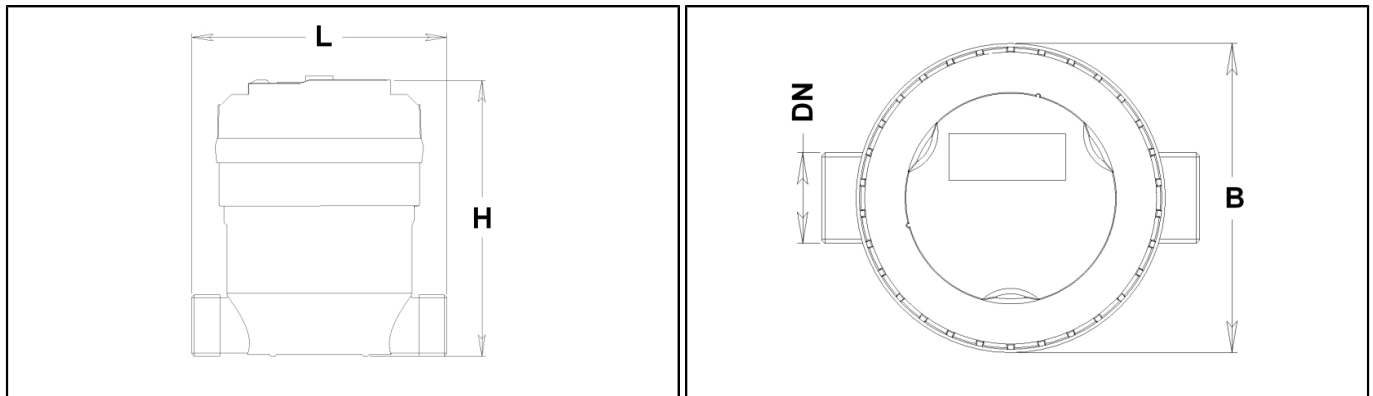
### APPROVAL

MID approval	LNE-5582
Alimentarity	ACS-WRC-KTW

### TEMPERATURE AND PRESSURE

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

### DIMENSIONS



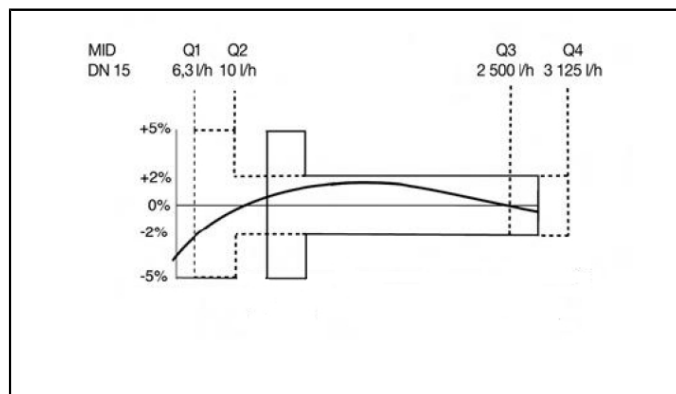
Nominal diameter	DN	mm	15	15	20	25	32	40
Length*	L	mm	110	170	190	260	260	300
Width	B	mm	90	90	90	112	170	170
Height	H	mm	122	127	127	160	190	190
Thread connections standard		inch	3/4"	3/4"	1"	1"1/4	1"1/2	2"
Thread connections (in option)		inch	-	-	-	-	1"1/4	-
Weight		kg	1.05	1.2	1.34	2.8	5.25	5.45

\* Other value on request

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## PRECISION CURVE




## HEAD LOSS (DELTA P = Q<sup>2</sup>/KVS<sup>2</sup>)

Nominal diameter	DN	mm	15	15	20	25	32	40
Length*	L	mm	110	170	190	260	260	300
Kvs			4.24	4.24	5	7.4	16.97	20

**SAPPEL**

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