

ALTAIR CONCENTRIC

VOLUMETRIC METER

SAPPEL



APPLICATION

ALTAIR CONCENTRIC is a volumetric water meter.

Its metrology performance is the same as that of the ALTAIR range of meters : high measuring dynamics, very low start flowrates, low head loss and strong resistance to overflowrates.

ALTAIR CONCENTRIC is compact. Its low profile means that it can be installed on a coaxial base in a concentric manifold.

The ALTAIR CONCENTRIC meter is modular and can be fitted at any time with IZAR RADIO reading system, IZAR DOSING device or an IZAR PULSE pulse emitter, gateway to other systems

FEATURES

- ▶ Available in Q3=2.5 & Q3=4
- ▶ Approved MID up to R=500
- ▶ Glass metal register available
- ▶ High dynamique range
- ▶ Start flowrate at 2l/h

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METROLOGICAL DATA

Nominal flowrate	Q3	m ³ /h	2.5	4	2.5	4
R*	Q3/Q1		160	160	250	250
Start flowrate		l/h	2	2	2	2
Min. constructor's flowrate		l/h	5	5	5	5
Min. flowrate	Q ₁	l/h	15.6	25	10	16
Transition flowrate	Q ₂	l/h	25	40	16	25.6
Max. flowrate	Q ₄	m ³ /h	3	5	3	5
Max. constructor's flowrate		m ³ /h	7	7	7	7

* Other value on request

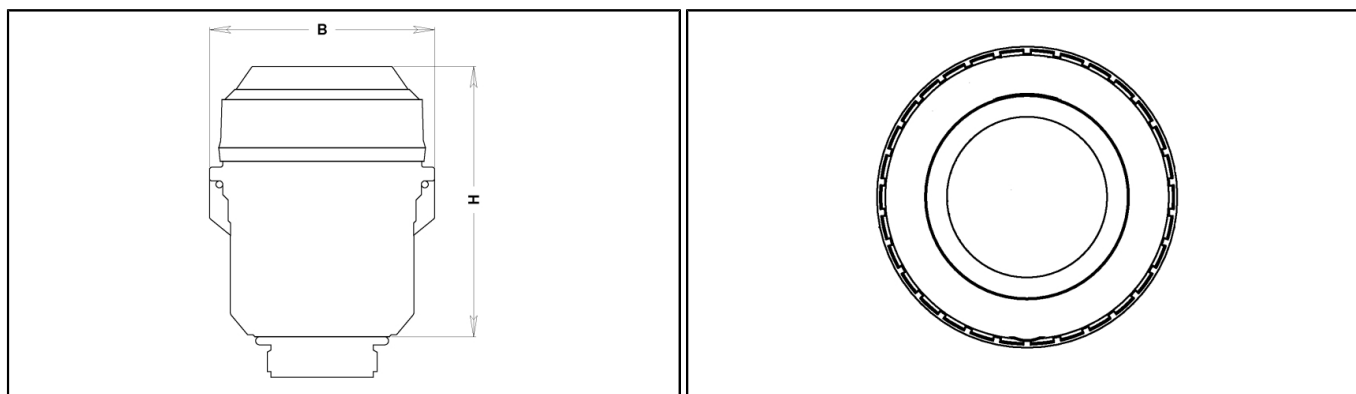
APPROVAL

Approval number	LNE-5582
Alimentarity	ACS - WRC

TEMPERATURE AND PRESSURE

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

DIMENSIONS



Height	H	mm	118
Width	B	mm	100
Thread connections	G	inch	1"1/2
Weight		kg	1.11

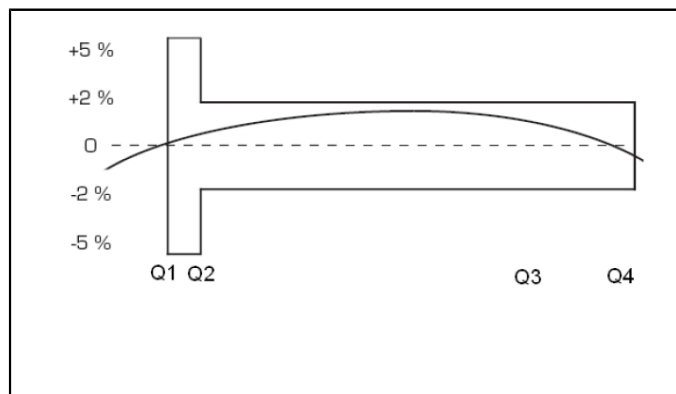
Fitting and removing wrench

A special wrench is required for fitting or removing the meter (contact Sappel). The two seals remain on the meter when it is removed.

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PRECISION CURVE




HEAD LOSS

Kvs ($\Delta P = Q^2 / Kvs^2$)

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SAPPEL

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