

ALTAIR CONCENTRIC

ROTARY PISTON METER

DIEHL
Metering



APPLICATION

ALTAIR CONCENTRIC is a rotary piston meter. Its metrology performance is the same as that of the ALTAIR range of meters: high measuring dynamics, very low starting flow rates, low pressure loss and strong resistance to overload. ALTAIR CONCENTRIC is compact. 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 transmitter, gateway to other systems.

FEATURES

- ▶ Rotary piston measuring capsule meter
- ▶ Available in Q₃ 2.5 and 4
- ▶ MID approval up to R 500
- ▶ Glass/metal counter in standard
- ▶ Composite and brass body version
- ▶ High dynamic range
- ▶ Starting flow rate at 2 l/h

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TECHNICAL DATA

Nominal flow rate	Q ₃	m ³ /h	2.5	4	2.5	4
Dynamic range (Q ₃ /Q ₁)*	R		160	160	250	250
Starting flow rate		l/h	2	2	2	2
Minimum flow rate within calibration error		l/h	5	5	5	5
Minimum flow rate	Q ₁	l/h	15.6	25	10	16
Transition flow rate	Q ₂	l/h	25	40	16	25.6
Overload flow rate	Q ₄	m ³ /h	3	5	3	5
Maximum flow rate within calibration error		m ³ /h	7	7	7	7

* Other values on request

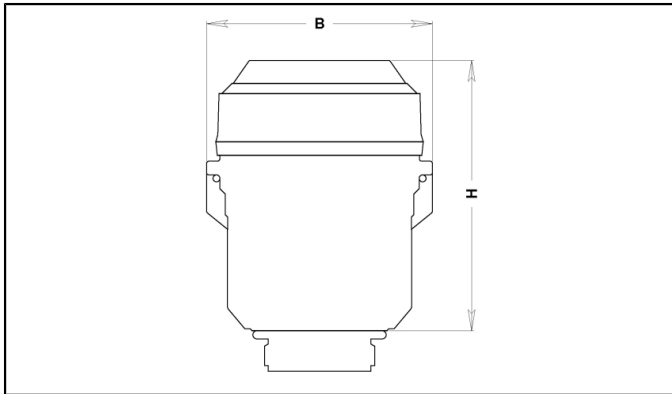
APPROVAL

	ALTAIR CONCENTRIC	
MID	LNE-5582	
Potable water	ACS - WRAS - WIS	

TEMPERATURE AND PRESSURE

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

DIMENSIONS



	ALTAIR CONCENTRIC	
Height	H	mm 118
Width	B	mm 100
Connection thread	Inch	G1½B
Weight (brass version)	kg	1.11
Weight (composite version)	kg	0.55

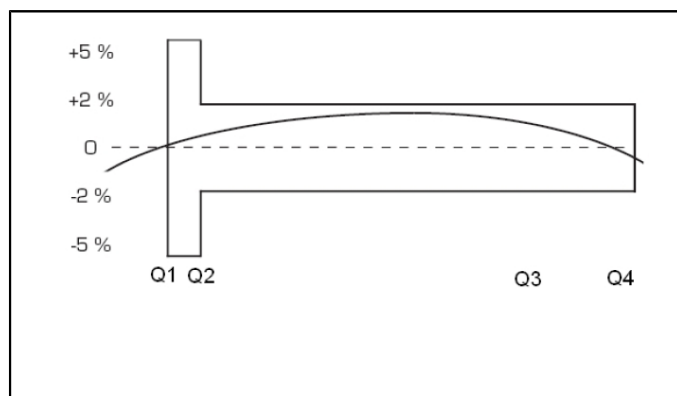
Fitting and removing wrench

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

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PRECISION CURVE



PRESSURE LOSS (DELTA P = Q²/KVS²)

	ALTAIR CONCENTRIC
Kvs	5

OPTION

- IZAR PULSE pulse transmitter: 1 pulse/liter