DIEHL
Metering

ALTAIR V4 CONCENTRIC

ROTARY PISTON METER

APPLICATION

ALTAIR V4 CONCENTRIC is a volumetric water meter specifically designed for installation on coaxial base in concentric manifold.
It adapts to the most demanding environments and varying water qualities while maintaining its excellent metrology.
Developed within the MID framework, it complies with European standards and holds certificates of sanitary conformity.
Modular, ALTAIR V4 CONCENTRIC may be fitted at any time with an IZAR clip-on module converting it into a communicating meter, ready for mobile reading (walk-by, drive-by, passive drive-by) or fixed network reading (radio/wired).

FEATURES

- Q_3 = 2.5 m^3/h / Q_3 = 4 m^3/h
- MID approval up to R = 630
- Starting flow rate at 0.4 l/h (Q_3 = 2.5 m^3/h) / 0.7 l/h (Q_3 = 4 m^3/h)
- Composite or brass body
- Cold water

TECHNICAL DATA

Overload flow rate	Q_3	m^3/h	2.5	4
R standard*	Q_3/Q_1		160	160
Starting flow rate		l/h	0.4	0.7
Minimum flow rate	Q_1	l/h	15.62	25
Transition flow rate	Q_2	l/h	25	40
Maximum flow rate	Q_4	m^3/h	3.125	5
Head loss at Q_3		bar	0.59	0.55
Head loss at Q_4		bar	0.92	0.85
Kvs (deltaP=Q^2/Kvs^2)			3.25	5.41

[1] other values on request

APPROVAL

	ALTAIR CONCENTRIC
MID Approval	LNE-6250 I Type A2
Standards	EN 14154 I ISO 4064 I OIML R49
Sanitary conformity	ACS I WRAS

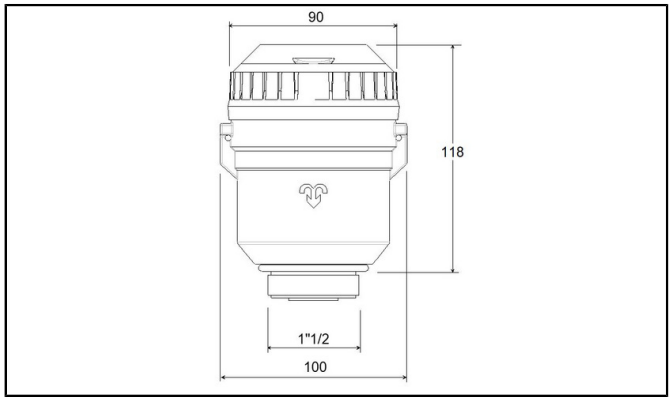
REACH

Information pursuant to Article 33 (1) of Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006:
This product series contains components with the following substances in a concentration of more than 0.1% weight by weight (w/w):
- Lead (CAS no.: 7439-92-1)

TEMPERATURE AND PRESSURE

			ALTAIR CONCENTRIC
Water temperature		°C	0.1 ... +50
Ambient operating temperature		°C	+1 ... +55
Storage temperature		°C	-10 ... +55
Nominal pressure	PN	bar	16

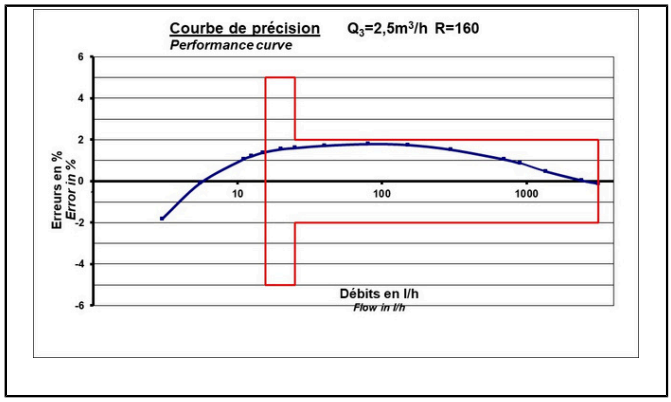
DIMENSIONS



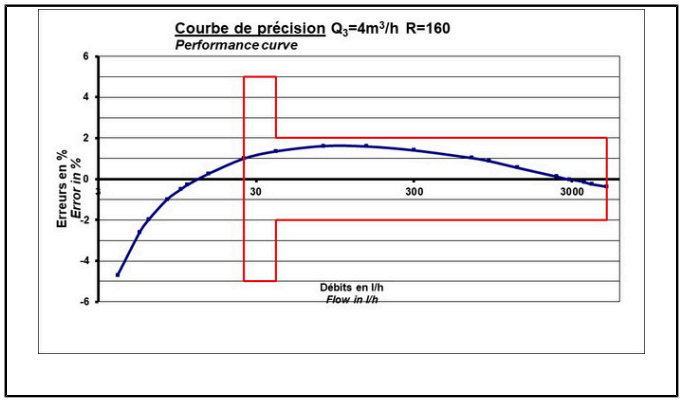
		ALTAIR CONCENTRIC
Height	mm	118
Width	mm	100
Thread connections	inch	1"½
Weight (brass version)	kg	1.11
Weight (composite version)	kg	0.55

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.

PRECISION CURVE



Q_3=2.5 R160



Q_3=4 R160

OPTION

- Plastic register

Economic Actor Information

Applicable regulation and legal obligations for products may change.

DIEHL METERING monitors applicable regulation to ensure their products comply at the date of placing on the market.

Each economic actor making products available on the market thereafter must independently keep informed about the current applicable regulation.

For questions, please contact: metering-germany-info@diehl.com

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