

# 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

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

## TECHNICAL DATA

Overload flow rate	Q <sub>3</sub>	m <sup>3</sup> /h	2.5	4
R standard*	Q <sub>3</sub> /Q <sub>1</sub>		160	160
Starting flow rate		l/h	0.4	0.7
Minimum flow rate	Q <sub>1</sub>	l/h	15.62	25
Transition flow rate	Q <sub>2</sub>	l/h	25	40
Maximum flow rate	Q <sub>4</sub>	m <sup>3</sup> /h	3.125	5
Head loss at Q <sub>3</sub>		bar	0.59	0.55
Head loss at Q <sub>4</sub>		bar	0.92	0.85
Kvs (deltaP=Q <sup>2</sup> /Kvs <sup>2</sup> )			3.25	5.41

\* other values on request

## APPROVAL

### ALTAIR CONCENTRIC

MID Approval	LNE-6250   Type A2
Standards	EN 14154   ISO 4064   OIML R49
Sanitary conformity	ACS   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):

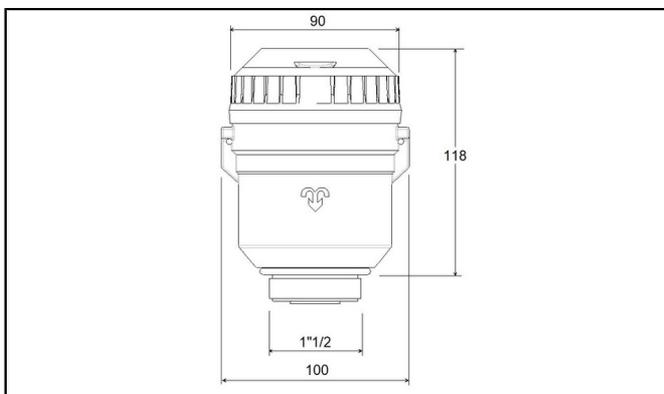
- Lead (CAS no.: 7439-92-1)

## 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



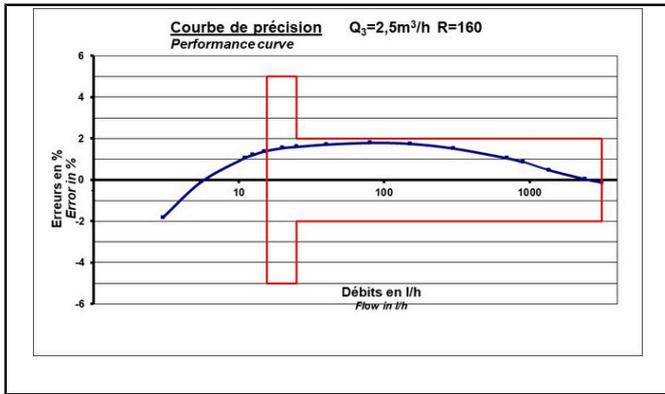
### ALTAIR CONCENTRIC

Height	mm	118
Width	mm	100
Thread connections	inch	1 1/2
Weight (brass version)	kg	1.11
Weight (composite version)	kg	0.55

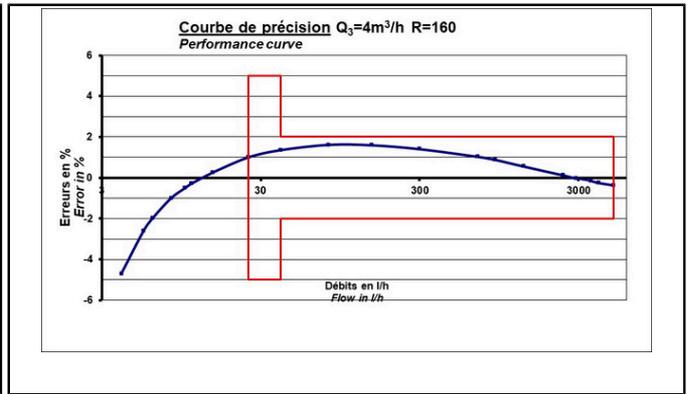
# ALTAIR V4 CONCENTRIC - ROTARY PISTON METER

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](mailto:metering-germany-info@diehl.com)

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