DIEHL
Metering

# ALTAIR V4 CONCENTRIC

## VOLUMETRIC 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

- Q3=2.5 m³/h / Q3=4 m³/h
- MID approval up to R=630
- Starting flow rate at 0.4 l/h (Q3=2.5m³/h) / 0.7 l/h (Q3=4m³/h)
- Composite or brass body
- Cold water

## METROLOGICAL DATA

| Nominal flowrate | $Q_3$ | $m^3/h$ | 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 |

* 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 |

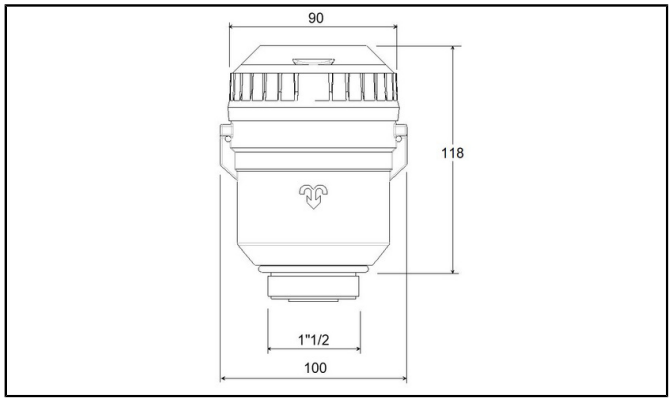
## REACH

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 | bar | 16 |

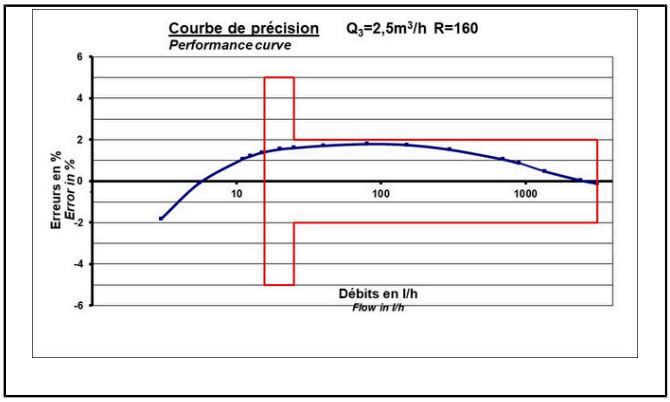
## DIMENSIONS



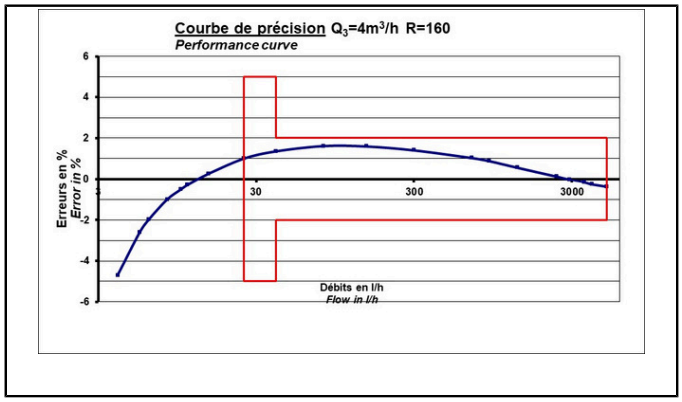

| | | ALTAIR CONCENTRIC |
|---|---|---|
| Height | mm | 118 |
| Width | mm | 100 |
| Thread connections | inch | 1"½ |
| Weight (brass version) | kg | 1.11 |
| Weight (composite version) | kg | 0.55 |

Fitting and removing wrench
A special wrench is required for fitting or removing the meter (contact Diehl Metering). 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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