

ALTAIR V5 MANIFOLD

ROTARY PISTON METER



APPLICATION

ALTAIR V5 MANIFOLD is the latest generation of volumetric water meters specifically designed for installation on coaxial base in manifold.

ALTAIR V5 MANIFOLD 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 V5 MANIFOLD 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=1000
- Starting flow rate at 0.4 l/h (for Q3=2.5m³/h and Q3=4m³/h)
- Composite or brass body
- Cold water

METROLOGICAL DATA

Nominal diameter	DN	mm	15	20
Permanent flow rate	Q ₃	m ³ /h	2.5	4
R standard*	Q ₃ /Q ₁		160	160
Body			brass / composite	brass / composite
Starting flow rate		l/h	0.4	0.4
Minimum flow rate*	Q ₁	l/h	15.62	25
Transitional flow rate*	Q ₂	l/h	25	40
Overload flow rate	Q ₄	m ³ /h	3.125	5
Head loss at Q ₃		bar	0.32	0.61
Head loss at Q ₄		bar	0.50	0.94
Kvs (deltaP=Q ² /Kvs ²)			5.13	5.13

*Other values on request

APPROVAL

ALTAIR V5 MANIFOLD	
MID Approval	LNE-39018 Type A3
Standards	ISO 4064 OIML R49
Sanitary conformity	ACS AoC DEU 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:

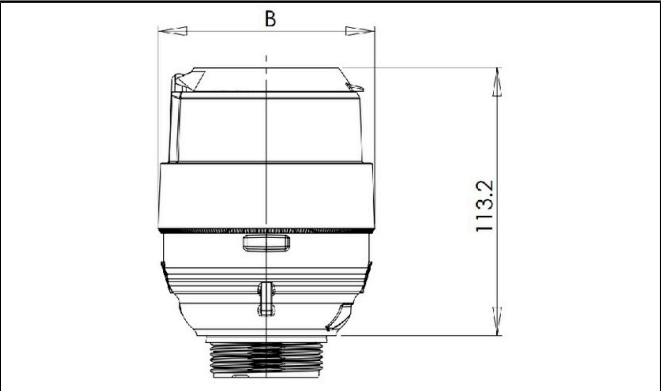
This product series contains components with the following substances in a concentration of more than 0.1% weight by weight (w/w):

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

TEMPERATURE AND PRESSURE

ALTAIR V5 MANIFOLD	
Water temperature	°C 0.1 ... +50
Ambient operating temperature	°C +1 ... +55
Storage temperature	°C -10 ... +55
Nominal pressure	bar 16

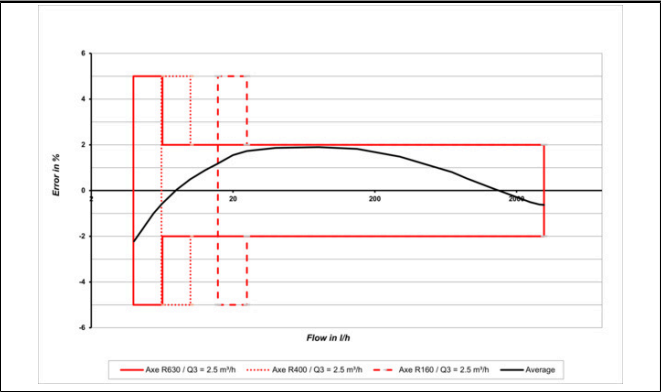
DIMENSIONS



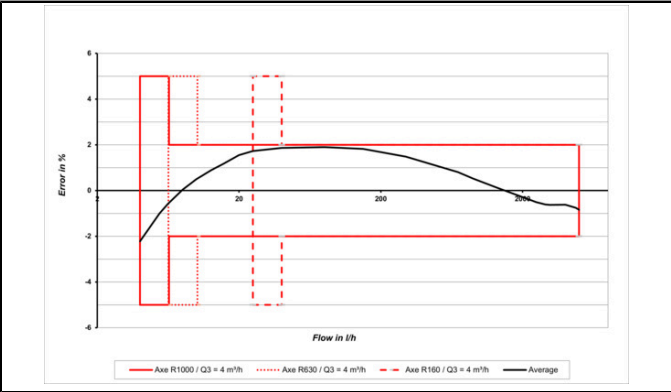
ALTAIR V5 MANIFOLD			
Height	mm	113.2	
Width	mm	91.3	
Thread connections	inch	1"½	
Weight (brass version)	kg	0.82	
Weight (composite version)	kg	0.39	

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



Q3=2.5 R160



Q3=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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