ALTAIR V5 MANIFOLD

VOLUMETRIC 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 (walkby, 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

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METROLOGICAL DATA

Nominal diameter	DN	mm	15	20
Nominal flowrate	Q ₃	m³/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
Transition flow rate*	Q ₂	l/h	25	40
Maximum flow rate	Q ₄	m³/h	3.125	5
Head loss at Q₃		bar	0.32	0.61
Head loss at Q4		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	EN 14154 ISO 4064 OIML R49
Sanitary conformity	ACS AoC DEU WRAS

REACH

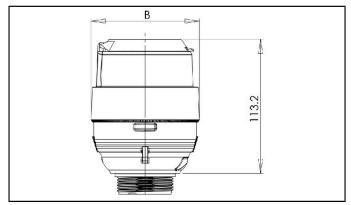
Information pursuant to Article 33 (1) of Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006:

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"1/2
Weight (brass version)	kg	0.82
Weight (composite version)	kg	0.39

Diehl Metering S.A.S. - Head Office - 67 rue du Rhône - BP 10160 - FR-68304 Saint-Louis Cedex - Phone: + 33 (0)3 89 69 54 00 - Fax: + 33 (0)3 89 69 72 20 - metering-France-info@diehl.com - www.diehl.com/metering International Sales - 67 rue du Rhône - BP 10160 - FR-68304 Saint-Louis Cedex - Phone: + 33 (0)3 89 69 54 21 - Fax: + 33 (0)3 89 69 54 22 - metering-France-export@diehl.com Subject to technical adjustments.

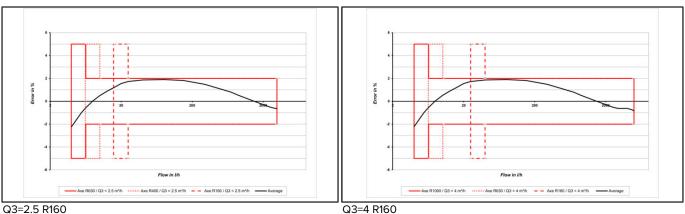
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VOLUMETRIC METER

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



OPTION

- Plastic register