

ALTAIR V4

VOLUMETRIC METER

DIEHL
Metering



APPLICATION

ALTAIR V4 represents the new generation of volumetric meters developed within the framework of the MID (Measuring Instruments Directive) and field requirements. ALTAIR V4 is very compact, thus adapting to the most restrictive environments (i.e. water boxes). ALTAIR V4 is a robust meter, compatible with the different qualities of water. ALTAIR V4 is modular and may be fitted at any time with the IZAR RADIO, the IZAR DOSING device, or the pulse transmitter IZAR PULSE, gateway to other systems.

FEATURES

- ▶ High dynamic range (up to 1.000)
- ▶ Start flowrate at 0.5 l/h
- ▶ Installation in any position
- ▶ Compact
- ▶ MID approved with R up to 800
- ▶ Composite & Brass version
- ▶ Register with modularity "Ha + Ti"
- ▶ Glass/metal register in option
- ▶ DN 15 mm

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METROLOGICAL DATA

ALTAIR V4			
Nominal flow rate	Q ₃	m ³ /h	2.5
R*	Q ₃ /Q ₁		160 - 315 - 500
Starting flow rate		l/h	0.5
Minimum flow rate*	Q ₁	l/h	15.6 - 7.9 - 5
Transition flow rate*	Q ₂	l/h	25.0 - 12.8 - 8
Maximum flow rate	Q ₄	m ³ /h	3.125

*other values on request

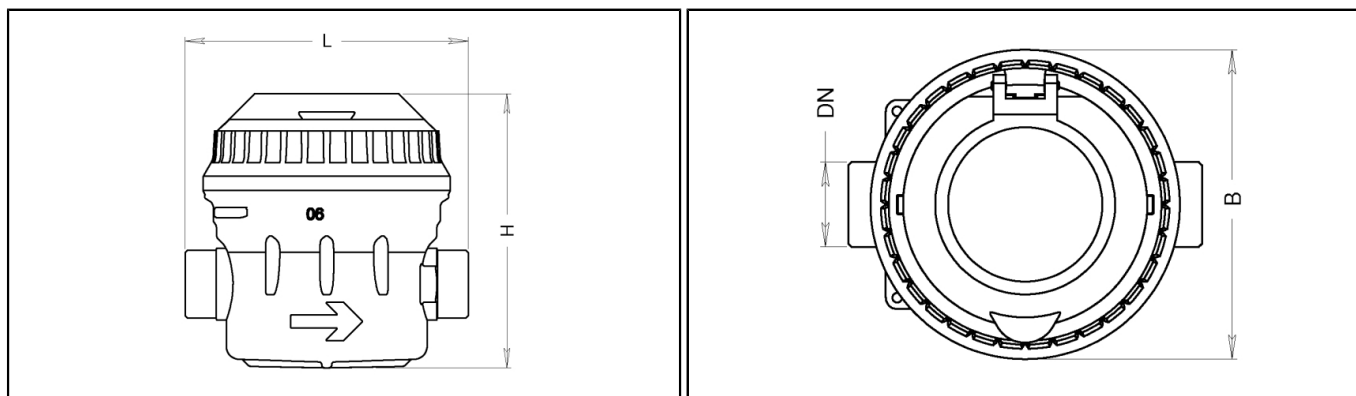
APPROVAL

ALTAIR V4	
MID approval	LNE-6250
Alimentarity	ACS - WRAS

TEMPERATURE & PRESSURE

ALTAIR V4		
Medium temperature range	°C	0 .. 30
Nominal pressure	bar	16

DIMENSIONS



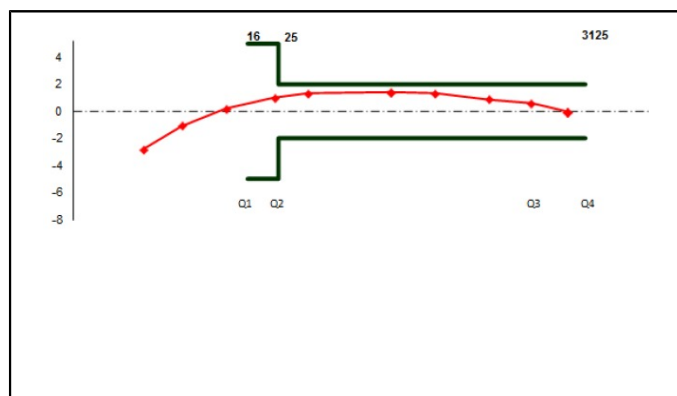
Nominal diameter	mm	15	15	15	15
Length*	mm	110	115	165	170
Housing		brass/composite	brass/composite	brass/composite	brass/composite
Width	B mm	97	97	97	97
Height	H mm	100/104	100/113	100/104	100/104
Thread connections		3/4"	3/4" & 7/8"	3/4 "	3/4"
Weight	kg	0.90/0.51	0.95/0.54	1.05/0.58	1.07/0.58

*Other values on request.

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PRECISION CURVE



HEAD LOSS

	ALTAIR V4
kvs ($\Delta P = Q^2 / Kvs^2$)	3.25

This technology doesn't require straight length