

# ALTAIR V4

ROTARY PISTON 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. The meter is very compact, thus adapting to the most restrictive environments (i.e. water boxes). ALTAIR V4 is a robust meter that is 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 emitter IZAR PULSE gateway to other systems.

## FEATURES

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

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### TECHNICAL DATA

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

\*other values on request

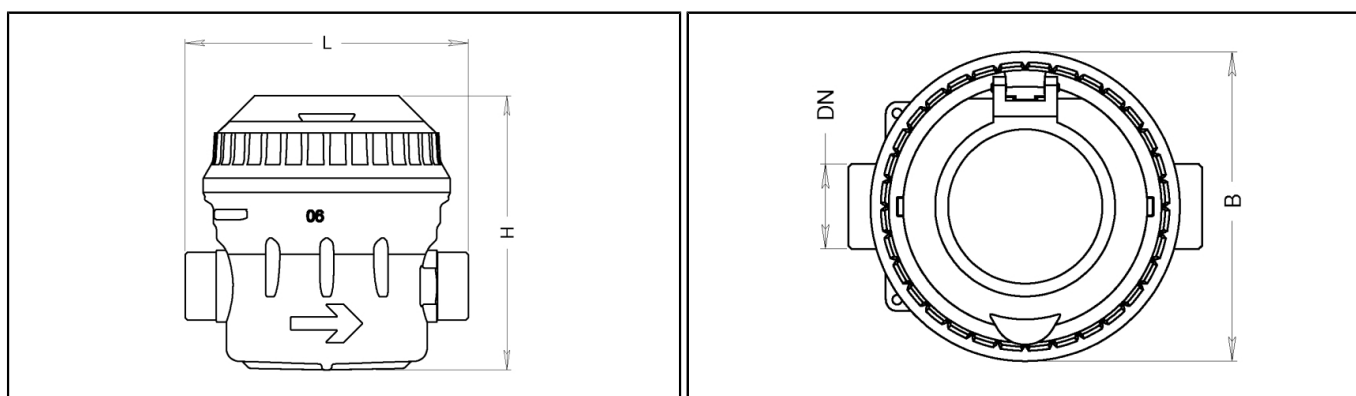
### APPROVAL

ALTAIR V4	
MID	LNE-6250
Potable water	ACS - WRAS

### TEMPERATURE & PRESSURE

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

### DIMENSIONS



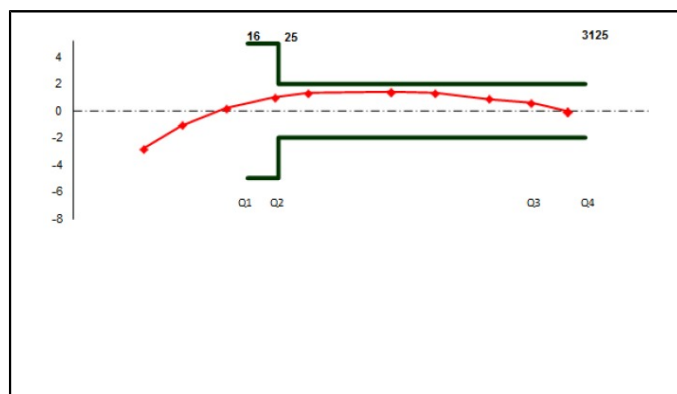
Nominal diameter	DN	mm	15	15	15	15	15
Overall length*	L	mm	110	115	134	165	170
Housing			brass/composite	brass/composite	brass/composite	brass/composite	brass/composite
Width	B	mm	97	97	97	97	97
Height	H	mm	100/104	100/113	100/104	100/104	100/104
Connection thread		Inch	G <sup>3</sup> / <sub>4</sub> B	G <sup>3</sup> / <sub>4</sub> B	G <sup>3</sup> / <sub>4</sub> B	G <sup>3</sup> / <sub>4</sub> B	G <sup>3</sup> / <sub>4</sub> B
Weight		kg	0.90/0.51	0.95/0.54	1/0.55	1.05/0.58	1.07/0.58

\*Other body lengths on request.

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## PRECISION CURVE



## PRESSURE LOSS (DELTA P=Q<sup>2</sup>/KVS<sup>2</sup>)

	ALTAIR V4
Kvs	3.25

This technology doesn't require straight length