

# 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)
- ▶ Starting 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 & 20 mm

# ALTAIR V4

## VOLUMETRIC METER

### METROLOGICAL DATA

Nominal diameter	mm	15	15	15	15	15	20	20	20
Length*	mm	110	115	134	165	170	110	165	190
Housing		brass/ composite	brass/ composite	brass/ composite	brass/ composite	brass/ composite	brass	brass	brass
Nominal flow rate	Q <sub>3</sub> m <sup>3</sup> /h	2.5	2.5	2.5	2.5	2.5	4	4	4
R*	Q <sub>3</sub> /Q <sub>1</sub>	160	160	160	160	160	160	160	160
Starting flow rate	l/h	0.5	0.5	0.5	0.5	0.5	1	1	1
Minimum flow rate*	Q <sub>1</sub> l/h	15.62	15.62	15.62	15.62	15.62	25	25	25
Transition flow rate*	Q <sub>2</sub> l/h	25	25	25	25	25	40	40	40
Maximum flow rate	Q <sub>4</sub> m <sup>3</sup> /h	3.125	3.125	3.125	3.125	3.125	5	5	5

\* Other values on request.

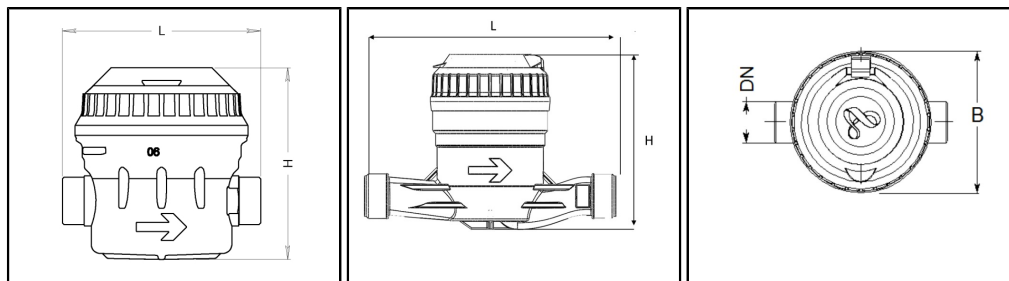
### APPROVAL

ALTAIR V4	
MID approval	LNE-6250 (DN 15 & 20)
Alimentarity	ACS - WRAS

### TEMPERATURE & PRESSURE

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

### DIMENSIONS



DN 15 - front view

DN 20 - front view

top view

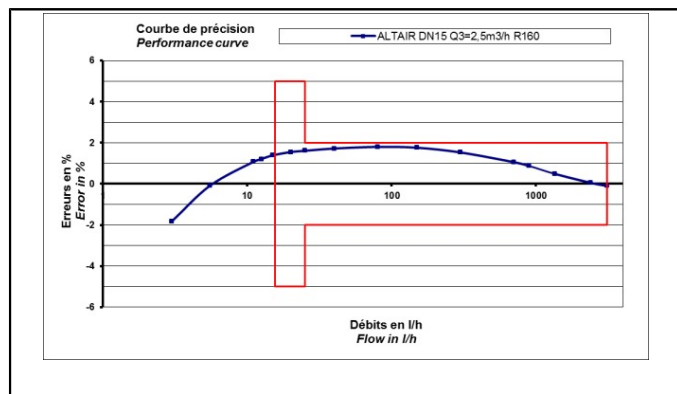
Nominal diameter	mm	15	15	15	15	15	20	20	20
Length*	mm	110	115	134	165	170	110	165	190
Housing		brass/ composite	brass/ composite	brass/ composite	brass/ composite	brass/ composite	brass	brass	brass
Width	B mm	92.7	92.7	92.7	92,7	92.7	90	90	90
Height	H mm	104/108	105/117	105/109	105/108	105/108	132	132	132
Thread connections	inch	3/4"	3/4" & 7/8"	3/4 "	3/4 "	3/4"	1"	1"	1"
Weight	kg	0.90/0.51	0.95/0.51	1/0.55	1.05/0.58	1.07/0.58	1	1.2	1.34

\*Other values on request.

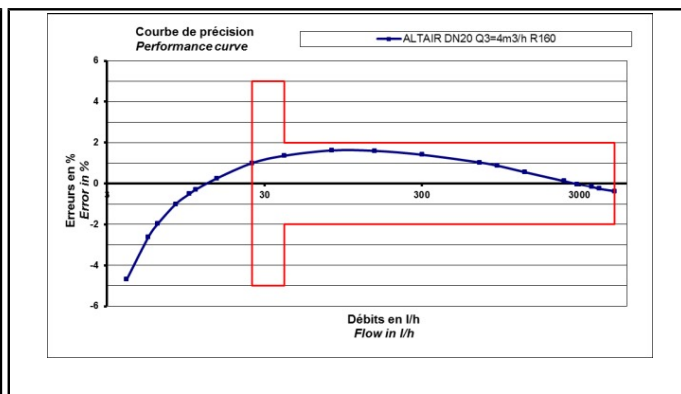
# ALTAIR V4

VOLUMETRIC METER

## PRECISION CURVE



DN 15



DN 20

## HEAD LOSS

ALTAIR V4

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

3.25 (DN15) / 5.41 (DN20)

This technology doesn't require straight length