

ALTAIR V4 DN15/20

VOLUMETRIC METER

DIEHL
Metering



APPLICATION

ALTAIR V4 represents the new generation of volumetric meters developed within the framework of the MID (Measuring Instruments Directive), OIML R49, EN 14154, ISO 4064 and field requirements. ALTAIR V4 is a particularly compact and robust meter, adapting to the most restrictive environments and compatible with varying water qualities.

Modular, ALTAIR V4 may be fitted at any time with an IZAR clip-on module converting it into a communicating meter, ready for mobile or fixed network (radio/wired) reading.

FEATURES

- ▶ DN15/20
- ▶ $Q_3=2.5\text{m}^3/\text{h}$ (DN15) / $Q_3=4\text{m}^3/\text{h}$ (DN20)
- ▶ MID approval up to R=800
- ▶ Starting flowrate at 0.4 l/h
- ▶ Composite & brass version
- ▶ High dynamic range
- ▶ Installation in any position

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VOLUMETRIC METER

METROLOGICAL DATA

Nominal diameter	mm	15	15	15	15	15	20	20	20	
Length*	L	mm	110	115	134	165	170	110	165	190
Housing			brass/ composite	brass/ composite	brass/ composite	brass/ composite	brass/ composite	brass	brass	brass/ composite
Nominal flow rate	Q ₃	m ³ /h	2.5	2.5	2.5	2.5	2.5	4	4	4
R standard*	Q ₃ /Q ₁		800	800	800	800	800	500	500	500
Starting flow rate		l/h	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7
Minimum flow rate*	Q ₁	l/h	3.1	3.1	3.1	3.1	3.1	8	8	8
Transition flow rate*	Q ₂	l/h	5	5	5	5	5	12.8	12.8	12.8
Maximum flow rate	Q ₄	m ³ /h	3.125	3.125	3.125	3.125	3.125	5	5	5
Kvs (deltaP=Q ² /Kvs ²)			3.25	3.25	3.25	3.25	3.25	5.41	5.41	5.41 / 5.30

* Other values on request.

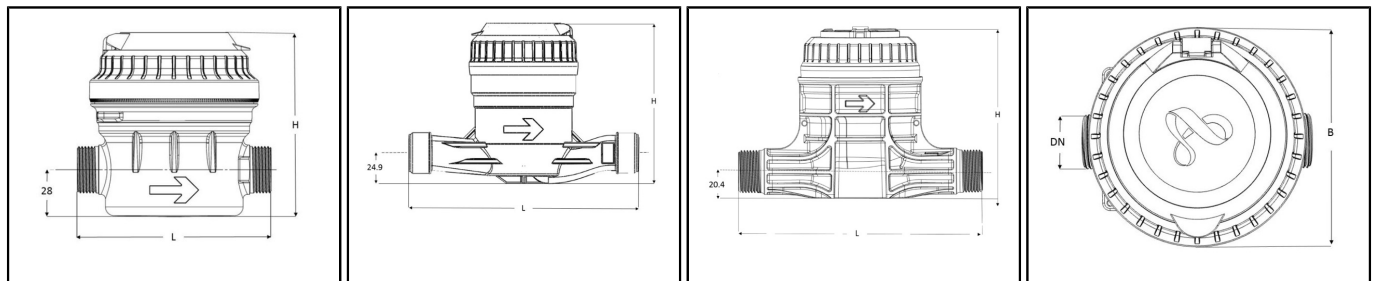
APPROVAL

	DN 15 - 20
MID approval	LNE - 6250
Standards	OIML R49 ISO 4064 EN 14154
Sanitary conformity	ACS - WRAS - KTW - BELGAQUA

TEMPERATURE & PRESSURE

	DN 15 - 20
Medium temperature range	°C 0 .. +50
Nominal pressure	PN bar 16

DIMENSIONS



DN 15 - composite

DN 20 - brass

DN 20 - composite

Top view

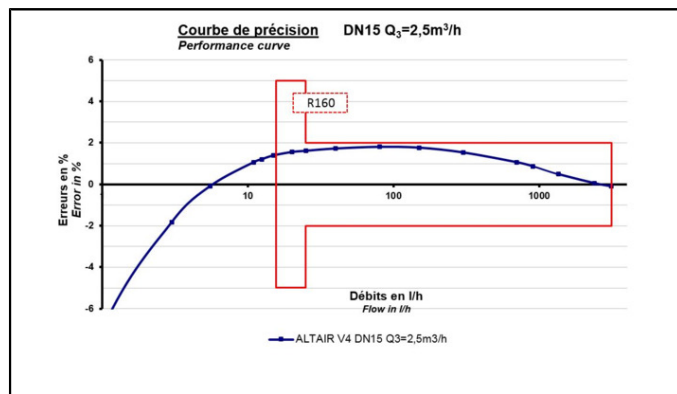
Nominal diameter	mm	15	15	15	15	15	20	20	20	
Length*	L	mm	110	115	134	165	170	110	165	190
Housing			brass/ composite	brass/ composite	brass/ composite	brass/ composite	brass/ composite	brass	brass	brass/ composite
Width	B	mm	92.7	92.7	92.7	92.7	92.7	90	90	90/97
Height	H	mm	105/109	105/109	105/109	105/109	105/109	132	132	132/135
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	1.34/0.72

*Other values on request.

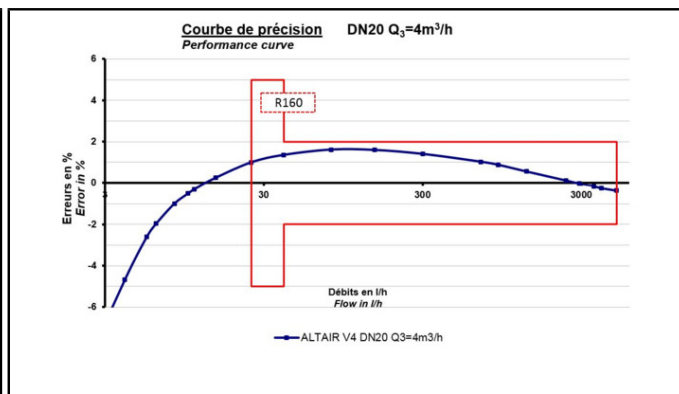
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VOLUMETRIC METER

PRECISION CURVE



DN 15



DN 20