

ALTAIR MCI V5 COMPOSITE

ROTARY PISTON METER

DIEHL
Metering



APPLICATION

Domestic rotary piston water meter (only complete meter)

FEATURES

- ▶ Low noise level
- ▶ System compatibility, with standard applicable pulse output 1 l/pulse. ALTAIR MCI V5 Composite can be extended - with IZAR RADIO (radio module) or IZAR PULSE (pulse transmitter)
- ▶ Any mounting position + no calming sections necessary
- ▶ Low starting flow approximately 0.6 l/h permits recording of very small amounts of water
- ▶ Self-cleaning mechanism of measuring chamber
- ▶ Encapsulated roller counter unit rotatable by 350°
- ▶ Nearly 50 % lighter than meter with brass body
- ▶ Suitable for fully demineralized water

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ROTARY PISTON METER

METROLOGICAL DATA

Housing			Horizontal
Nominal diameter	DN	mm	20
Permanent flow rate	Q ₃	m ³ /h	4
R standard*	Q ₃ /Q ₁		160
Starting flow rate		l/h	0.6
Minimum flow rate*	Q ₁	l/h	25**
Transitional flow rate*	Q ₂	l/h	40
Overload flow rate	Q ₄	m ³ /h	5
Head loss at Q ₃		bar	0.6

*Other values on request

**Based on R 160

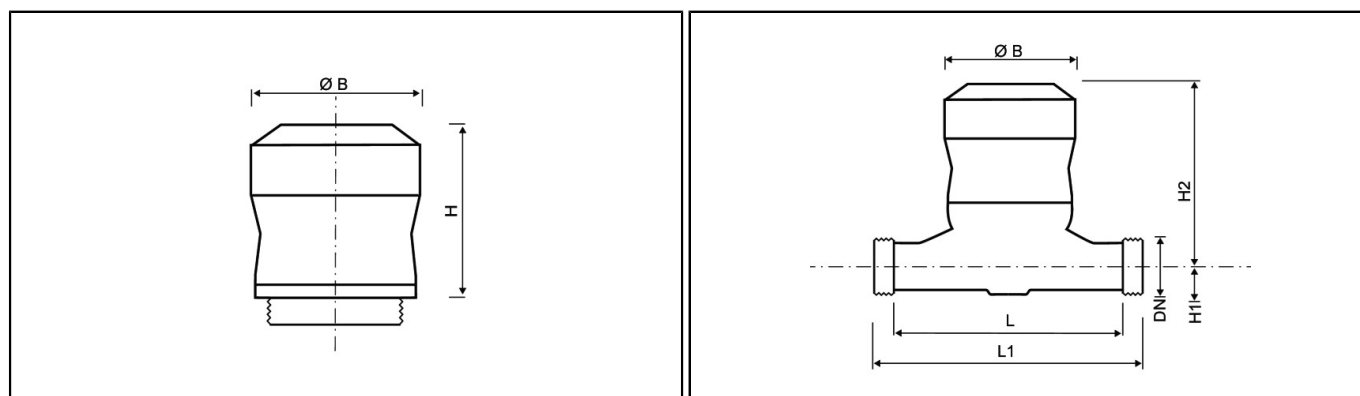
APPROVAL

ALTAIR MCI V5 COMPOSITE		
MID Approval	LNE - 39018 Type A3	
Standards	ISO 4064 EN 14154 OIML R49 UKCA	
Dynamic range (Q ₃ /Q ₁)	R	40 80 160
Potable water	ACS AoC DEU Belgaqua PZH WRAS	

TEMPERATURE AND PRESSURE

ALTAIR MCI V5 COMPOSITE		
Water temperature	°C	0.1 ... +50
Ambient temperature	°C	+1 ... +55
Ambient storage temperature	°C	-10 ... +55
Nominal pressure	bar	16

DIMENSIONS

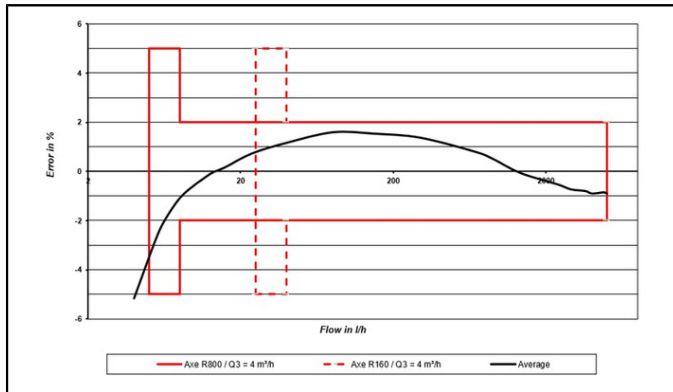


Housing			Horizontal
Nominal diameter	DN	mm	20
Permanent flow rate	Q ₃	m ³ /h	4
Length	L	mm	160
Overall length (DIN ISO 4064)	L1	mm	190
Connection thread on meter		Inch	G1B
Height	H	mm	94
Height	H1	mm	27
Height	H2	mm	141
Diameter	Ø B	mm	93
Weight of capsule		kg	0.37
Weight of complete meter		kg	0.62

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PRECISION CURVE



DN 20 MCI

OPTIONS

Glass/metal copper register