

ALTAIR MCI COMPOSITE 119

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 can be extended - with IZAR RADIO (radio module) or IZAR PULSE (pulse transmitter)
- ▶ Any mounting position + no calming sections necessary
- ▶ Low starting flow approximately 0.7 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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GENERAL

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Medium temperature range	°C	1 ... 30	
Temperature safety	°C	1 ... 50	
Ambient operating temperature	°C	1 ... 50	
Ambient storage temperature	°C	1 ... 50	
Nominal pressure	PN	bar	16
Display range	8-digit, 0.001 l ... 99,999 m ³		
Pulse value	l/pulse	1	
Protection class	IP 68		

TECHNICAL DATA

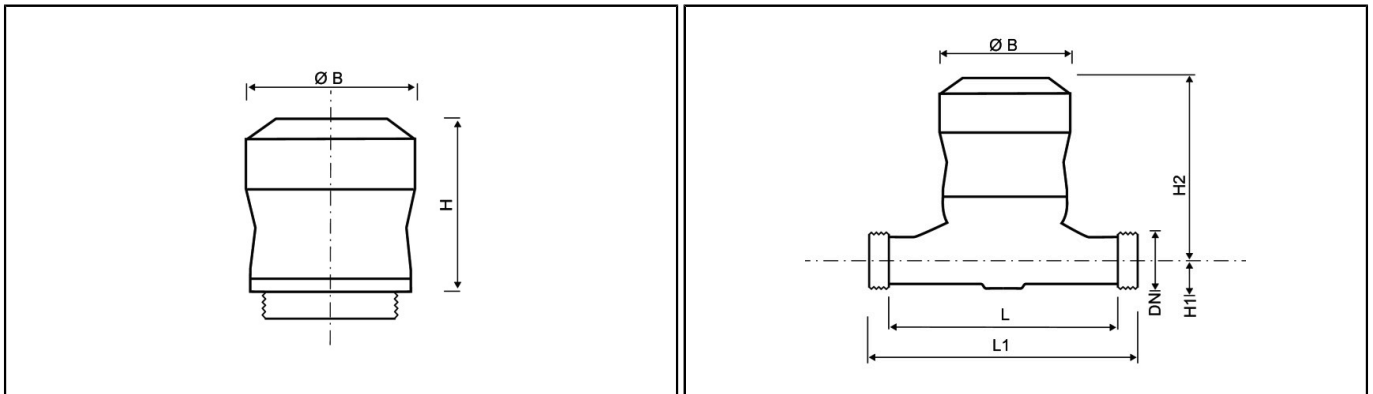
Housing				Horizontal
Nominal diameter	DN	mm		20
Permanent flow rate	Q ₃	m ³ /h		4
Overload flow rate	Q ₄	m ³ /h		5
Transitional flow rate	Q ₂	l/h		80
Minimum flow rate	Q ₁	l/h		25 ¹
Starting flow rate		l/h		0.7
Pressure loss at Q ₃		bar		0.6

¹ Based on R 160

APPROVAL

ALTAIR MCI COMPOSITE 119			
MID	LNE-6250		
Dynamic range (Q ₃ /Q ₁)	R	40 / 80 / 160	
Potable water	AoC DEU		

DIMENSIONS



Housing				Horizontal
Length	L	mm		160
Overall length (DIN ISO 4064)	L1	mm		190
Connection thread on meter		Inch		G1B
Height	H	mm		97
Height	H1	mm		27
Height	H2	mm		144
Diameter	Ø B	mm		93
Weight of capsule		kg		0.57
Weight of complete meter		kg		0.82

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PRESSURE LOSS (DELTA P = Q²/KVS²)

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Kvs	5.25