

ALTAIR MCI COMPOSITE 119

ROTARY PISTON METER



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

GENERAL

ALTAIR MCI COMPOSITE 119			
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

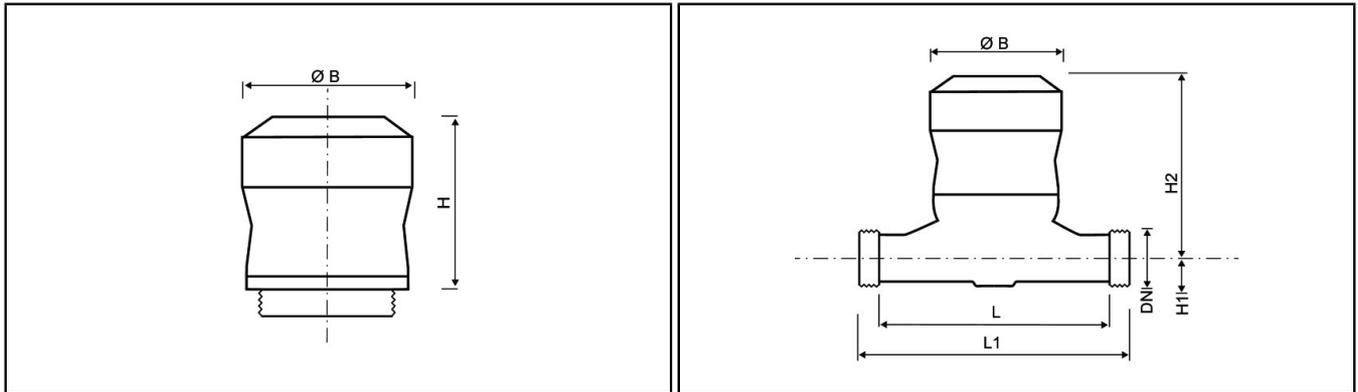
Housing			Horizontal
Nominal diameter	DN	mm	20
Permanent flow rate	Q ₃	m ³ /h	4
Overload flow rate	Q ₄	m ³ /h	5
Transitional flow rate	Q ₂	l/h	80
Minimum flow rate	Q ₁	l/h	25 ¹
Starting flow rate	l/h		0.7
Pressure loss at Q ₃	bar		0.6

¹ Based on R 160

APPROVAL

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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

PRESSURE LOSS ($\Delta P = Q^2/KVS^2$)

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Kvs	5.25
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Economic Actor Information

Applicable regulation and legal obligations for products may change.

DIEHL METERING monitors applicable regulation to ensure their products comply at the date of placing on the market.

Each economic actor making products available on the market thereafter must independently keep informed about the current applicable regulation.

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