

ALTAIR MCI 119

ROTARY PISTON METER



APPLICATION

Domestic rotary piston water meter with measuring capsule

FEATURES

- Low noise level
- System compatibility, with standard pulse output 1 l/pulse. ALTAIR MCI can be extended - with IZAR RADIO (radio module) or IZAR PULSE (pulse transmitter)
- Only the complete capsule needs to be replaced on expiry of the calibration period - the connection interface remains fitted in the pipeline
- Any mounting position + no calming sections necessary
- Low starting flow approximately 0.7 l/h permits recording of very small amounts of water
- Less exchange time as capsule and screw head is one part
- Self-cleaning mechanism of measuring chamber
- Encapsulated roller counter unit rotatable by 350°

GENERAL

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

¹Based on R 160

APPROVAL

ALTAIR MCI 119			
MID	LNE-6250 Type A2		
Dynamic range (Q ₃ /Q ₁)	R	40 / 80 / 160	
Potable water	AoC DEU		

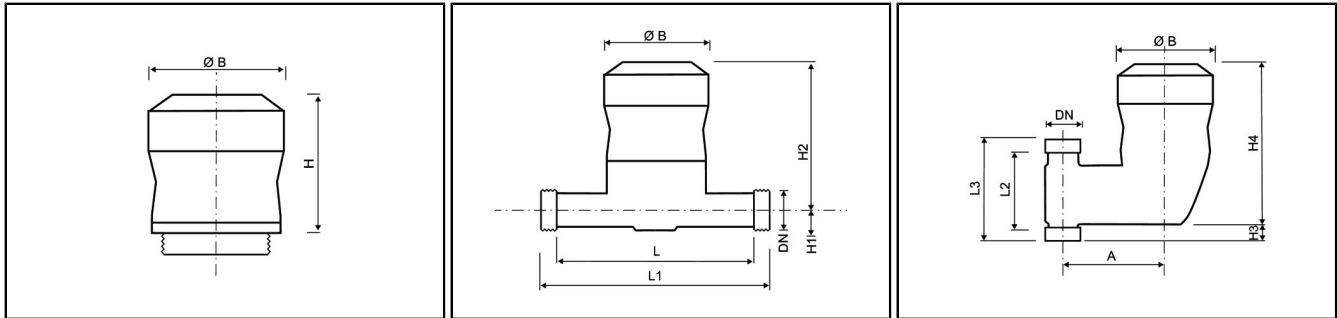
REACH

Information pursuant to Article 33 (1) of Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006:

This product series contains components with the following substances in a concentration of more than 0.1% weight by weight (w/w):

- Lead (CAS no.: 7439-92-1)

DIMENSIONS



Housing			Horizontal	Rising Pipe
Length	L	mm	160	-
Overall length (DIN ISO 4064)	L1	mm	190	-
Length	L2	mm	-	75
Overall length rising pipe with thread	L3	mm	-	105
Connection thread on meter		Inch	G1B	G1B
Height	H	mm	97	97
Height	H1	mm	23	-
Height	H2	mm	144	-
Height	H3	mm	-	28
Height	H4	mm	-	172
Diameter	Ø B	mm	93	93
Width	A	mm	-	95
Weight of capsule		kg	0.57	0.57
Weight of complete meter (horizontal)		kg	1.53	-
Weight of complete meter (rising pipe)		kg	-	1.95

PRESSURE LOSS (DELTA P = Q²/KVS²)

ALTAIR MCI 119	
Kvs	5.08

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.

For questions, please contact: metering-germany-info@diehl.com

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