

M 120i Multi-jet meter

e^{sens} communication interface

- Multi-jet dry-dial meter for cold water
- Nominal size Q_3 2.5 to 25 m³/h
- Ultra-reliable interface for communication modules
- EU-type examination certificate up to R160
- Hard bearings on impeller and magnet drive
- Register resistant against ultraviolet light
- conText* marking system

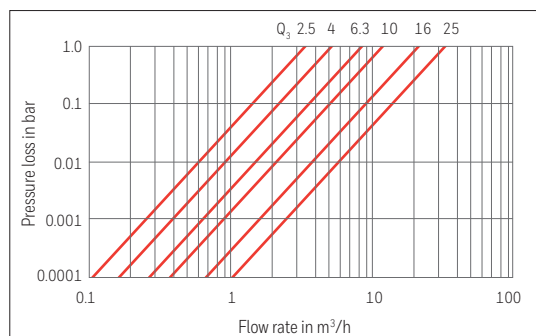


EU-type examination certificate
DE-08-MI0001-PTB020

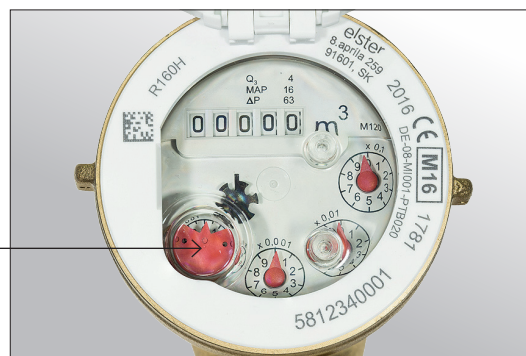
Performance characteristics

Nominal size	DN	mm	15	20		25	25	32	40	50
		inches	½	¾		1	1	1 ¼	1 ½	2
Continuous flow	Q ₃	m³/h	2.5	2.5	4	6.3	10		16	25
Overload flowrate	Q ₄	m³/h	3.125	3.125	5	7.875	12,5		20	31.25
Transitional flowrate	Q ₂	l/h	25	25	40	63	100		160	400
Minimum flowrate	Q ₁	l/h	16	16	25	39	63		100	250
Measuring range	Q ₃ /Q ₁		R160							R100
Maximum water temperature	MAT	°C	30							
Maximum working presssure	MAP	bar	16							
Flow capacity at 1 bar pressure loss		m³/h	3.4	5.3	8.5	13.1		21.6	32.8	
Pressure loss class	Δp	bar	0.63							
Flow profile sensitivity class			U0, D0							
Installation position			horizontal							
Installation location			open / closed							
Climatic environment			5 °C to 70 °C, condensing / non-condensing							
Mechanical environment			M1							
Electromagnetice environment			E1							

M 120i Multi-jet meter Technical Data



eSens interface for communication modules

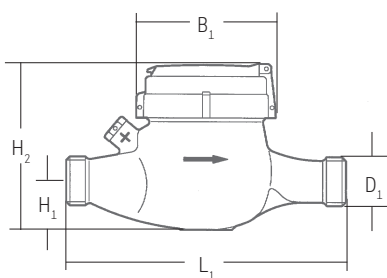


Dimensions (Standard portfolio, others on request)

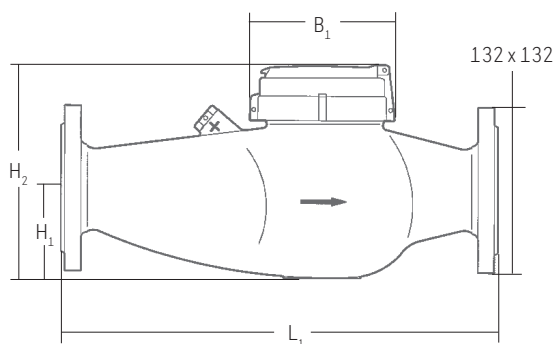
			MTR							MTR-S			
Nominal size	DN	mm	15	20	25	32	40	50	50	20	20	25	40
	DN	inches	½	¾	1	1	1 ½	2	2	¾	¾	1	1 ½
D ₁ Meter connection thread	ISO 228/1	inches	G ¾ B	G 1 B	G 1 ¼ B	G 1 ½ B	G 2 B	G 2 ½ B	Flange	G 1 B	G 1 B	G 1 ¼ B	G 2 B
Connection pipe thread	ISO 7/1	inches	R ½	R ¾	R 1	R 1	R 1 ½	R 2	—	R ¾	R ¾	R 1	R 1 ½
L ₁ Meter length	Standard	mm	165	190	260	260	300	300	300	105	105	150	200
B ₁ Width		mm	100	100	100	100	122	125	165	100	100	100	119
B ₂ Distance pipe axis to meter axis		mm	—	—	—	—	—	—	—	80	80	94	120
H ₁ Centerline height		mm	31	31	43	43	46	68	68	—	—	—	—
H ₂ Overall height		mm	115	115	130	130	153	153	160	135	135	151	195
Weight		kg	1.5	1.6	2.5	2.5	3.7	4.5	8.5	1.8	1.8	2.6	5.5

Dimensional drawing

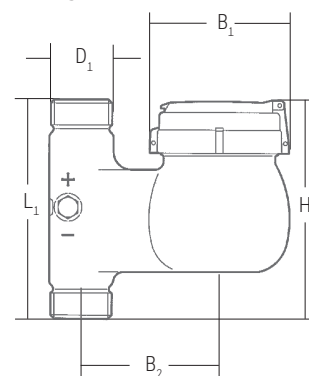
MTR



MTR
Flange



MTR-S



For further information visit:
www.elstermetering.com

Elster Water Metering Limited
130 Camford Way, Sundon Park
Luton, Bedfordshire, LU3 3AN
United Kingdom
T: +44 (0) 1582 846400
F: +44 (0) 1582 564728
water.metering@elster.com

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Honeywell