

M 120

Multi-jet meter

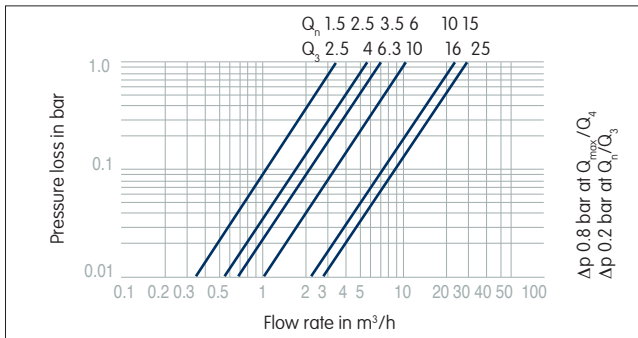
Dry-dial meter with metrological precision and transparency



EEC approval Cold water up to 30 °C D 98 6,131.05	MID-type examination certificate Cold water up to 30 °C DE-08-MI0001-PTB020
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- Multi-jet dry-dial meter for cold water
- Nominal flow rate Q_n 1.5 to 15 m³/h/ Q_3 2.5 to 25 m³/h
- EEC approval metrological class B·H
- MID-type examination certificate R160
- Good readability even at extreme operational conditions
- Hermetically sealed counter
- Antimagnetic shield (optional)
- ELSTER conText® inscription system

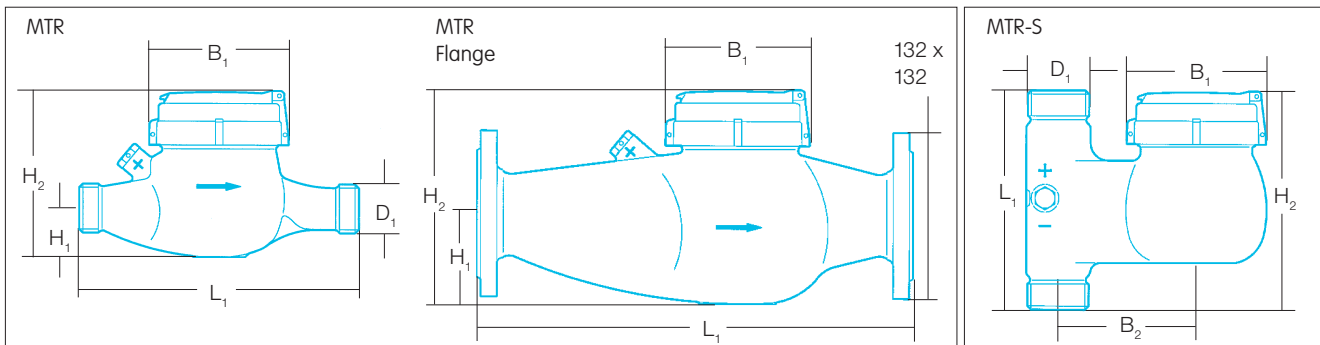




Multi-jet meter		M120							MTR		MTR-S			
Meter size /														
Nominal flow rate	Q _n m³/h	1.5	2.5	3.5	6	10	15	15	1.5	2.5	6	10		
	Q ₃ m³/h	2.5	4	6.3	10	16	25	25	2.5	4	10	16		
Nominal size	DN mm	15	20	25	25	40	50	50	20	20	25	40		
	DN inches	1/2	3/4	1	1	1 1/2	2	2	3/4	3/4	1	1 1/2		
Ordering number	EEC approval**													
Standard	Initial certification B-H	0755788	0755826	0755850	0755869	0755885	0755893	0755915	0755958	0755966	0755982	0756008		
Pulse-preparation	100 litres/1 pulse	R	0757837	R	0757853	0757888	0757896	0757918	0757942	0757977	0757993	0758027		
Pulse-preparation	1000 litres/1 pulse	R	0758116	R	0758132	0758159	0758167	0758175	0758221	0758248	0758272	0758302		
Optional	Initial certification C-H	0001113	0001454	0001904	0001905	0001906	—	—	—	—	—	—		
Dimensions														
D ₁ Meter conn. thread	ISO 228/1	inches	G 3/4 B	G 1 B	G 1 1/4 B	G 1 1/4 B	G 2 B	G 2 1/2 B	Flange	G 1 B	G 1 B	G 1 1/4 B	G 2 B	
Conn. pipe thread	ISO 7/1	inches	R 1/2	R 3/4	R 1	R 1	R 1 1/2	R 2	—	R 3/4	R 3/4	R 1	R 1 1/2	
L ₁ Meter length	mm	165	190	260	260	300	270	270	105	105	150	200		
Connector length	mm	50	50	60	60	70	60	—	50	50	60	70		
B ₁ Width	mm	100	100	100	100	100	100	100	100	100	100	100		
B ₂ Distance	mm	—	—	—	—	—	—	—	80	80	94	120		
H ₁ Centerline height	mm	31	31	43	43	46	46	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		
Performance characteristics														
Maximum flow rate	Q _{max} /Q ₃	m³/h	3/3.1	5/5	7/7.9	12/12.5	20/20	30/31.2	30/31.2	3/3.1	5/5	12/12.5	20/20	
Transitional flow rate	Q _t /Q ₃ *	l/h	22.5/25	37.5/32	52.5/50	90/80	150/150	300/300	300/300	22.5/25	37.5/32	90/80	150/150	
Minimum flow rate	Q _{min} /Q ₁ *	l/h	15/15	22/20	30/30	50/50	80/100	250/200	250/200	15/15	22/20	50/50	80/80	
Starting flow	l/h	5.5	10	12	18	25	45	45	10	15	30	50		
Measuring range	Q3/Q1	H	R160	R160	R160	R160	R100	R100	R160	R160	R160	R160		
Continuous load	approx. 1.6 x Q _n	l/h	2 500	4 000	5 600	10 000	16 000	25 000	25 000	2 500	4 000	10 000	16 000	
Temperature	T _{max}	°C	30	30	30	30	30	30	30	30	30	30	30	
Pressure rating	PN	bar	16	16	16	16	16	16	16	16	16	16	16	
Flow capacity at 1 bar pressure loss	m³/h	3.3	5.5	7.2	12.8	22	32	32	4.0	6.7	12.8	22		

R: on request

* typical performance characteristics, exceeds the demands of the metrological class B and C/R100 and R160; ** MID type examination on request



ELSTER Messtechnik GmbH
Otto-Hahn-Strasse 25
68623 Lampertheim
Germany

T +49 (0) 62 06 933 0
F +49 (0) 62 06 933 100
E messtechnik@de.elster.com
www.elstermesstechnik.com

M120_D_01.03e / 10.10
Changes without notice



Reed Disc with tamper detection
Type Reedswitch potted, protection IP 68
Contact load max. 24 V DC, 50 mA
Resistance 100 Ohm
Cable 3 x 0.14 mm² Ø 3.3 mm
Pulse contact brown – white
Tamper contact green – white
Cable length 3 m

Ordering number
100 litres/1 pulse 0000998
1000 litres/1 pulse 0000999

