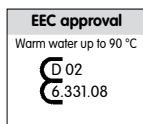


M 190 Multi-jet meter

Dry-dial meter for warm water



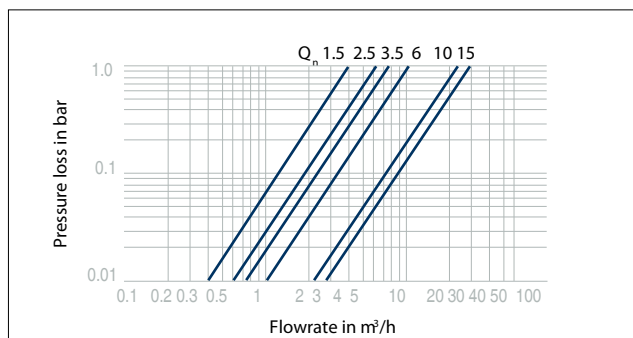
- Multi-jet dry-dial meter for warm water
- Nominal flowrate Q_n 1.5 to 15 m³/h
- EEC approval metrological Class B·H
- ELSTER conText® inscription system

Reed Disc with tamper detection

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

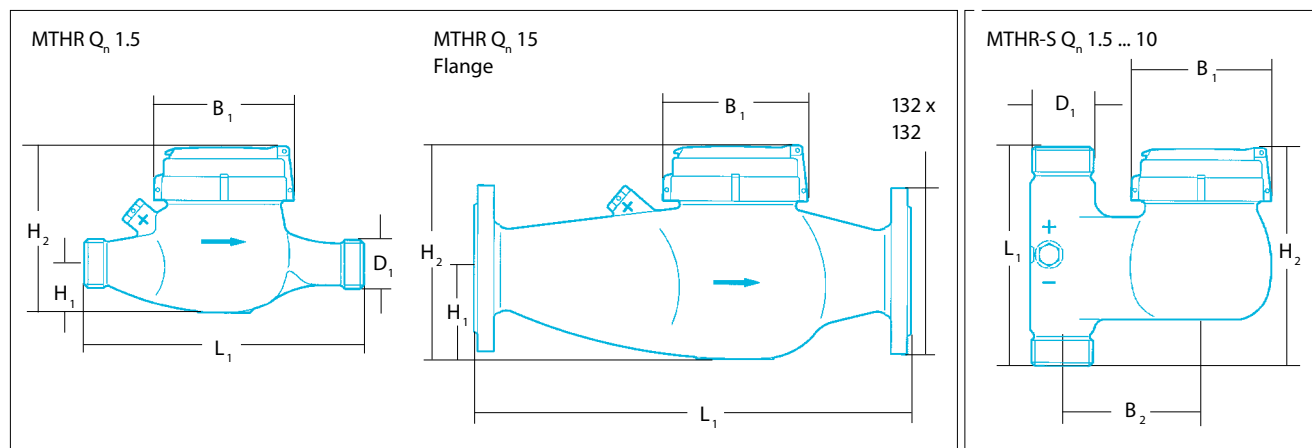


Ordering number	
100 litres/1 pulse	0000998
1000 litres/1 pulse	0000999



Multi-jet meter M190		MTHR								MTHR-S			
Meter size / Nominal flowrate	Q _n m³/h	1.5	2.5	3.5	6	10	15	15		1.5	2.5	6	10
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		0770574	0770582	0770590	0794287	0770620	0770647	0794295		0794309	0794317	0794325	0794333
Initial calibration class B-H													
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	40	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 Pipe axis to meter axis	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} m³/h	3	5	7	12	20	30	30		3	5	12	20
Transitional flow rate	Q _{tr} l/h	120	200	200	480	800	1 500	1 500		120	200	480	800
Minimum flow rate	Q _{min} l/h	25	35	35	80	150	200	200		25	35	80	150
Starting flow	l/h	10	15	15	50	50	100	100		10	15	30	50
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	90	90	90	90	90	90	90		90	90	90	90
Pressure rating	PN bar	16	16	16	16	16	16	16		16	16	16	16
Flow capacity at 1 bar pressure loss	m³/h 4.4	6.7	7.2	12.8	22	32	32	4.0		6.7	12.8	22	

** typical performance characteristics, exceeds the demands of the metrological class B



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