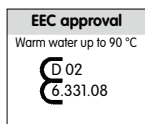


# M 190 Multi-jet meter

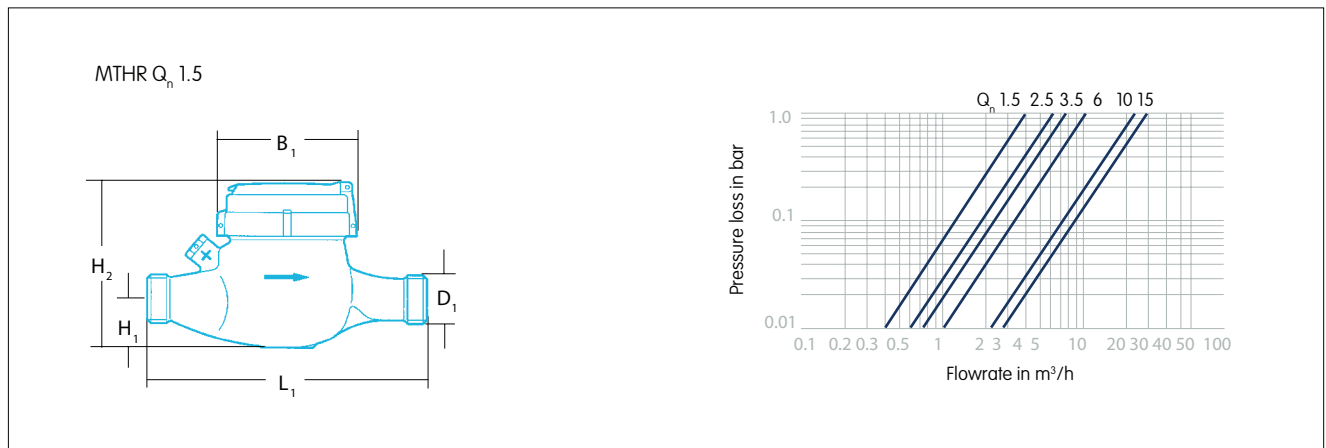
Dry-dial meter for warm water



- Multi-jet dry-dial meter for warm water
- Nominal flowrate  $Q_n$  1.5 to 10 m<sup>3</sup>/h
- EEC approval metrological Class B·H
- ELSTER conText® inscription system

<b>Multi-jet meter M190</b>		<b>MTHR</b>				
Meter size / Nominal flowrate	$Q_n$ m <sup>3</sup> /h	1.5	2.5	3.5	6	10
Nominal size	DN mm	15	20	25	30	40
	DN inches	1/2	3/4	1	1	1 1/2
<b>Ordering number</b>	Pulse 100L	<b>0002750</b>	<b>0002752</b>	<b>0002754</b>	<b>0002756</b>	<b>0002758</b>
Initial calibration class B-H	Pulse 1000L	<b>0002751</b>	<b>0002753</b>	<b>0002755</b>	<b>0002757</b>	<b>0002759</b>
<b>Dimensions</b>						
D <sub>1</sub> Meter conn. thread	ISO 228/1 inches	G 3/4 B	G 1 B	G 1 1/4 B	G 1 1/2 B	G 2 B
Conn. pipe thread	ISO 7/1 inches	R 1/2	R 3/4	R 1	R 1 1/4	R 1 1/2
L <sub>1</sub> Meter length	mm	190	190	260	260	300
Connector length	mm	50	50	60	60	70
B <sub>1</sub> Width	mm	100	100	100	100	100
B <sub>2</sub> Distance Pipe axis to meter axis	mm	—	—	—	—	—
H <sub>1</sub> Centerline height	mm	31	31	43	43	46
H <sub>2</sub> Overall height	mm	115	115	130	130	153
Weight	kg	1.5	1.6	2.5	2.5	3.7
<b>Performance characteristics</b>						
Maximum flow rate	$Q_{max}$ m <sup>3</sup> /h	3	5	7	12	20
Transitional flow rate	$Q_{t}^{**}$ l/h	120	200	200	480	800
Minimum flow rate	$Q_{min}^{**}$ l/h	25	35	35	80	150
Starting flow	l/h	10	15	15	50	50
Continuous load	approx. $1.6 \times Q_n$ l/h	2 500	4 000	5 600	10 000	16 000
Temperature	$T_{max}$ °C	90	90	90	90	90
Pressure rating	PN bar	16	16	16	16	16
Flow capacity at 1 bar pressure loss	m <sup>3</sup> /h	6.7	7.2	12.8	22	32

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



**Reed Disc with tamper detection fitted as standard**

Type	Reedswitch potted, protection IP 68
Contact load	max. 24 V DC, 50 mA
Resistance	100 Ohm
Cable	3 x 0.14 mm <sup>2</sup> Ø 3.3 mm
Pulse contact	brown – white
Tamper contact	green – white
Cable length	3 m



Can be removed if not required

Ordering numbers for meters with pulse preparation (type -KN), for later assembly of Reed Disc, on request

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