

Model M - Multi-Jet Magnetic Water Meter

- **Applications**

For domestic, agriculture and industrial use

- **Available Sizes**

½" - 1¼", 2" (15mm - 30mm, 50mm)

- **Standards**

MID 2004/22/EC (based on OIML R49
EN 14154 and ISO 4064:2005),
EEC (based on ISO 4064:1993),
AWWA C708, WRAS, NSF etc.



Features:

- Only one moving part - the impeller
- in contact with the water for minimum wear and utmost reliability
- Magnetically driven sealed registers. Stainless steel/glass encapsulated option is unconditionally guaranteed against fogging
- Wide selection of dial configurations (3 pointers; central pointer) and units of measurements
- Optional Electrical Output: EV, EF, Dialog 3G, DPE, MPE

Technical Specifications

Maximum Working Pressure	10 bar (16 bar optional)
Maximum Working Temperature	50°C 90°C - For HOT water
Body	Corrosion proof copper alloy
Option sizes 1/2" - 1 1/4"	Highly reinforced composite material (Not available for hot water)
Coupling threads	BSP, NPSM

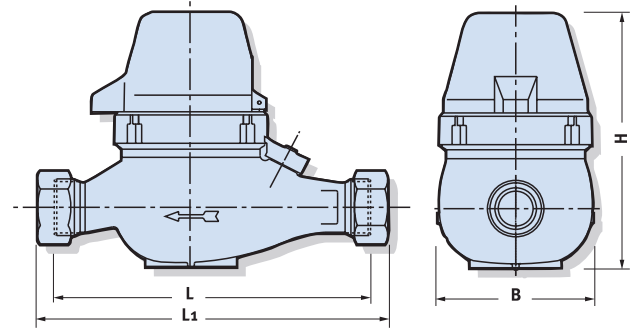


M type dial

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Dimensions

Model		M15 (short)	M15	M20	M25	M30	M50
Nominal size	(mm)	15	15	20	25	30	50
	(inch)	1/2	5/8	3/4	1	1 1/4	2
L – Length without couplings (mm)		165	190	190	260	260	300
L ₁ – Length with couplings (mm)		260	285	285	375	375	460
B – Width (mm)		95	95	95	105	105	160
H – Height (mm)		108	108	108	108	108	190
Weight (kg)		1.5	2	1.6	2.1	2.2	8
Weight with couplings (kg)		1.7	2.2	1.9	2.6	2.9	9.4
Weight (plastic body) (kg)		0.55	0.56	0.60	0.65	0.66	



Performance data:

Metrological Characteristics according to EEC (based on ISO 4064:1993)

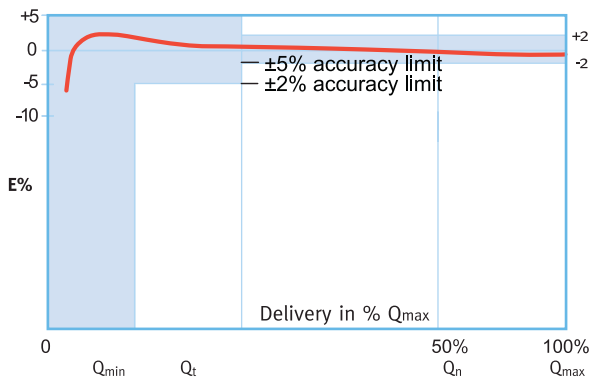
Model	Nominal size (inch)	Q _{max} Maximum Flowrate (m ³ /h)	Q _n Nominal Flowrate (m ³ /h)	Q _t Transitional Flowrate (l/h)	Q _{min} Minimum Flowrate (l/h)	Maximum register capacity (m ³)	Smallest readable unit (liter)	Accuracy between Q _{max} & Q _t	Accuracy between Q _t & Q _{min}
M15	1/2"	3	1.5	120	30	10 ⁵	0.1	±2%	±5%
M20	3/4"	5	2.5	200	50	10 ⁵	0.1		
M25/7	1"	7	3.5	280	75	10 ⁵	0.1		
M25/10	1"	10	5	400	100	10 ⁵	0.1		
M30	1 1/4"	12	6	480	120	10 ⁵	0.1		
M50	2"	30	15	3000	450	10 ⁶	1		

Metrological Characteristics according to MID 2004/22/EC (based on OIML R49 EN 14154 and ISO 4064:2005)

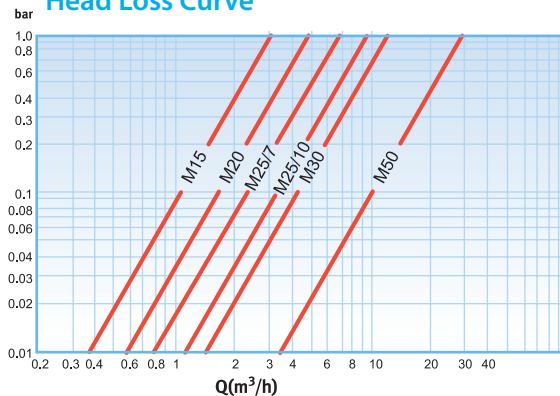
Model	Nominal size (inch)	Q ₄ Maximum Flowrate (m ³ /h)	Q ₃ Nominal Flowrate (m ³ /h)	Q ₂ Transitional Flowrate (m ³ /h)	Q ₁ Minimum Flowrate (m ³ /h)	R Q ₃ /Q ₁	Indicating range minimum values (m ³)	Smallest readable unit (liter)
M 20	3/4"	3.125	2.5	0.08	0.05	50	99999	0.1
M 25	1"	5	4	0.128	0.08	50	99999	0.1
* M 32	1 1/4"	7.875	6.3	0.2016	0.126	50	99999	0.1

* Metal body only

Accuracy Curve



Head Loss Curve



Installation Requirements

- The Meter should be installed in horizontal position dial face up.
- Pipeline must be flushed before installation.
- The meter should be constantly full of water.