

# Domestic

## 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**

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

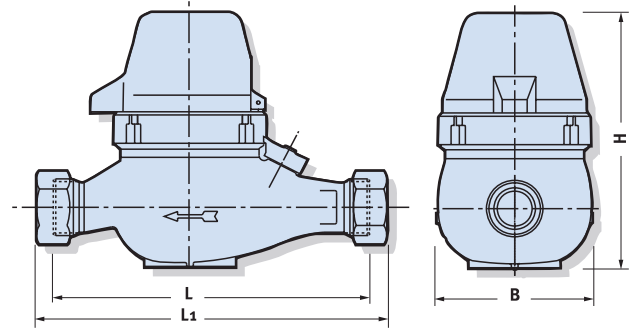


M type dial

## Model M - Multi-Jet Magnetic Water Meter

### 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 <sub>1</sub> - 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)

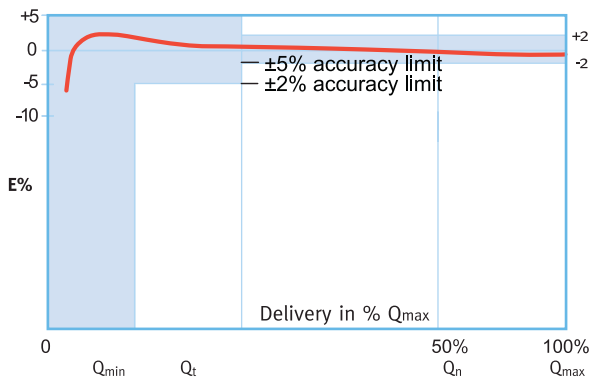
Model	Nominal size (inch)	Q <sub>max</sub> Maximum Flowrate (m <sup>3</sup> /h)	Q <sub>n</sub> Nominal Flowrate (m <sup>3</sup> /h)	Q <sub>t</sub> Transitional Flowrate (l/h)	Q <sub>min</sub> Minimum Flowrate (l/h)	Maximum register capacity (m <sup>3</sup> )	Smallest readable unit (liter)	Accuracy between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

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

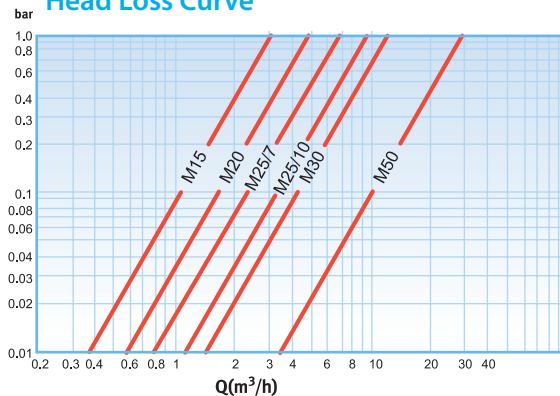
Model	Nominal size (inch)	Q <sub>4</sub> Maximum Flowrate (m <sup>3</sup> /h)	Q <sub>3</sub> Nominal Flowrate (m <sup>3</sup> /h)	Q <sub>2</sub> Transitional Flowrate (m <sup>3</sup> /h)	Q <sub>1</sub> Minimum Flowrate (m <sup>3</sup> /h)	R Q <sub>3</sub> /Q <sub>1</sub>	Indicating range minimum values (m <sup>3</sup> )	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.

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