Model M

Multi-Jet Magnetic Water Meter

Residential

- **Applications**
  For domestic, agriculture and industrial use

- **Available Sizes**
  ½" - 1¼" (15mm - 32mm)

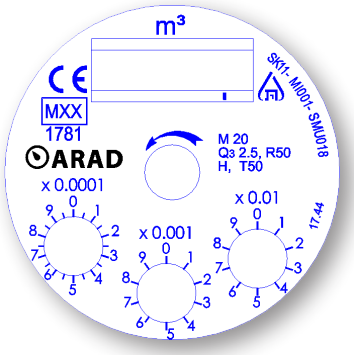
- **Standards**
  MID 2004/22/EC (based on OIML R49
  EN 14154 and ISO 4064:2005),
  NSF etc., WRAS renewal in process.

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, ER

Technical Specifications

Maximum Working Pressure	10 bar (16 bar optional)
Maximum Working Temperature	50°C 90°C - For HOT water
Meter body material	Corrosion proof copper alloy
Optional	Highly reinforced composite material (Not available for hot water)
Coupling threads	BSP, NPSM



M type dial

Model M

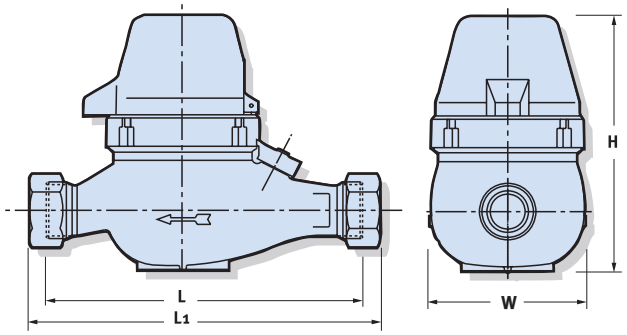
Multi-Jet Magnetic Water Meter

ARAD Water Measuring Technologies

Residential

Dimensions

Model		M15 (short)	M15	M20	M25	M32
Nominal size	(mm)	15	15	20	25	30
	(inch)	1/2	5/8	3/4	1	1 1/4
L - Length without couplings (mm)		165	190	190	260	260
L_1 - Length with couplings (mm)		260	285	285	375	375
W- Width (mm)		95	95	95	105	105
H - Height (mm)		102	112	108	108	108
H - Height for 3G version (mm)		117	127	111	118	118
Weight (kg)		1.5	2	2	2.8	2.8
Weight with couplings (kg)		1.7	2.2	2.3	3.3	3.45
Weight (plastic body) (kg)		0.55	0.56	0.6	0.65	0.66

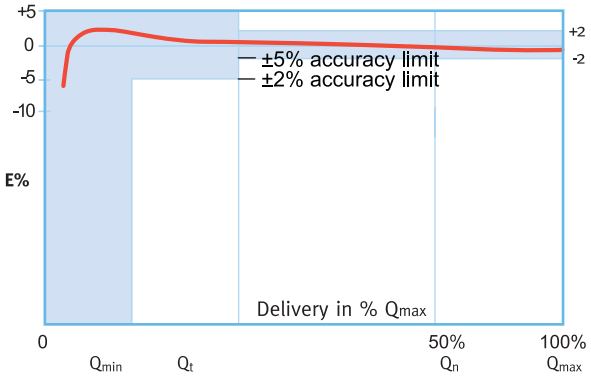


Performance data:

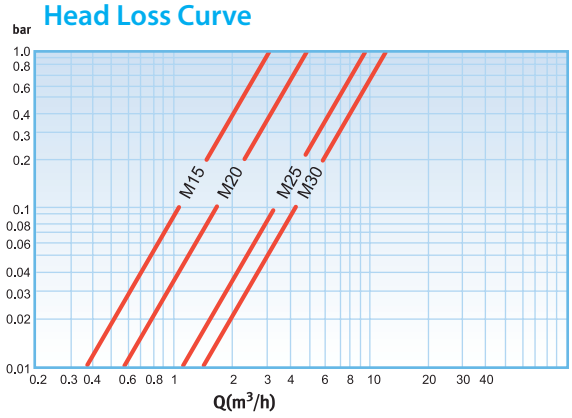
Metrological Characteristics according to MID 2004/22/EC (based on OIML R49 EN 14154 and ISO 4064:2005)

Model	Nominal size (inch)	Q1 Minimum flowrate (m^3/h)	Q2 Transitional flowrate (m^3/h)	Q3 Nominal flowrate (m^3/h)	Q4 Maximum flowrate (m^3/h)	R Q3/ Q1	Indicating range (m^3/h)	Smallest readable unit (liter)	Accuracy between Q4 & Q2	Accuracy between Q2 & Q1
15	1/2	0.032	0.051	1.6	2	50	999,999	0.05	±2%	±5%
20	3/4	0.050	0.080	2.5	3.125	50				
		0.063	0.102	4	5	63				
25	1	0.080	0.128	4	5	50				
		0.079	0.126	6.3	7.875	80				
32	11/4	0.126	0.202	6.3	7.875	50				
		0.100	0.160	10	12.5	100				

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.

For the most updated version, please view our website: www.arad.co.il

ARAD Water Measuring Technologies Arad Ltd.
Dalia 1923900, Israel, Tel: 972-4-9897911, Fax: 972-4-9897960, www.arad.co.il
ARADGROUP Integrated Metering Technologies