MJ/MJH-SERIES
PULSE METER

APPLICATIONS

Cooling tower chemical control

Industrial water treatment

Deduct metering

Pump Pacing

Features

- Dry top multi-jet design
- Tolerates low quality water
- Simple pulse output
- Cold or hot water models

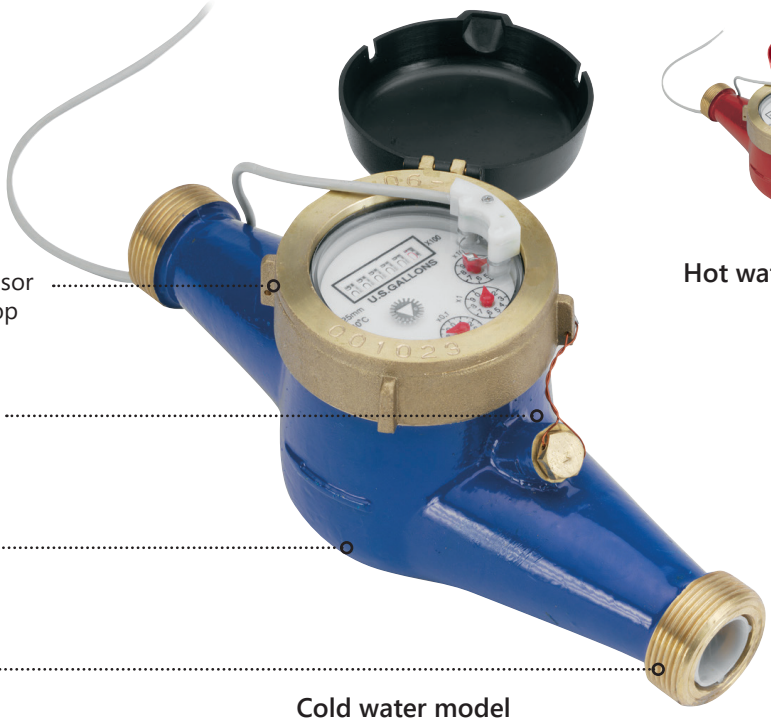
MJ-Series meters use the multi-jet principle, which has been an internationally-accepted standard for many years. This type of meter is known for its wide range, simplicity, and accuracy in low-quality water. Seametrics offers cold or hot water models. The impeller is centered in a ring of jets, with inlet jets on one level and outlet jets on another. A gear train drives the register totalizer dials. For pulse output, one of the pointers is replaced by a magnet, which is detected by an encapsulated sensor attached to the outside of the lens. Pulse rate is determined by the dial on which the magnet is placed, and by the number of sensors (single or double).

Changing the pulse rate can easily be done in the field. Mechanically, all MJ-Series meters are the same. The difference among *MJE/MJHE, *MJR/MJHR and *MJT/MJHT meters is in the sensor. MJE/MJHE meters use a solid-state, long-lasting Hall-effect sensor, which requires power. It is suited for use with Seametrics controls and metering pumps that have sensor power. MJR/MJHR meters use a two-wire reed switch. They provide a dry contact closure and do not require power. MJT/MJHT meters totalize only and do not have a sensor.

Note on Nomenclature: Meter names that include "H" are hot water models. Without the "H" = cold water models.

Contact your Supplier

FEATURES

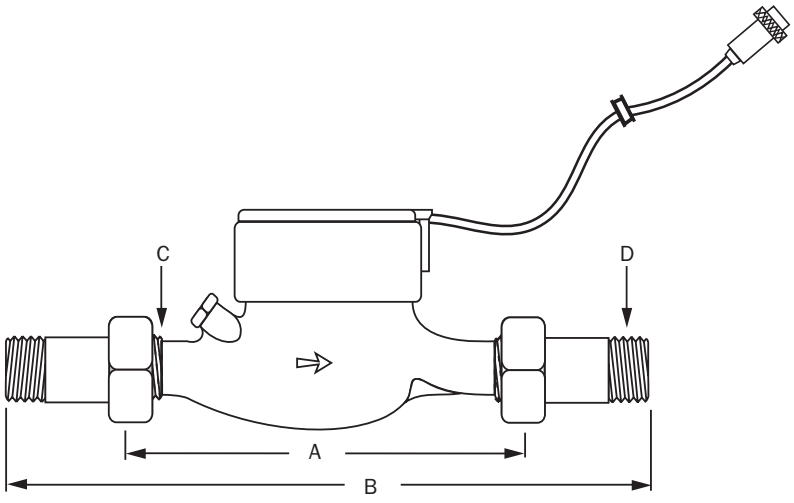


SPECIFICATIONS*

Power	6 mA at 12 Vdc (MJE/MJHE only)				
Temperature Model	Cold water	105˚ F (40˚ C) max			
	Hot Water	194˚ F (90˚ C) max			
Pressure	150 psi operating				
Materials	Body	Cast bronze, epoxy powder coated inside and out			
	Internals	Engineered thermoplastic			
	Magnet	Alnico			
Accuracy	+/- 1.5% of reading				
Pulse Output		**MJE/MJHE**	**MJR/MJHR**	**MJT/MJHT**	
	Sensor	Hall-effect device	Reed switch	Totalizer only	
	Max Current	20 mA+	20mA	n/a	
	Max Voltage	24 Vdc	24 Vdc or Vac	n/a	
Cable Length	12' (4 m) standard (2000' maximum run)				
Flow Rates (GPM)**		**3/4"**	**1"**	**1-1/2"**	**2"**
	Minimum	0.22	0.44	0.88	1.98
	Maximum	22	52	88	132

Specifications subject to change • Please consult our website for current data (www.seametrics.com).
****** Caution: Excessive flow can cause breakage. Do not exceed recommended maximums.***

DIMENSIONS



	3/4"	1"	1-1/2"	2"
A (body)	7-1/2"	10-1/4"	11-3/4"	11-3/4"
B (w/couplings)	11-5/8"	15"	17"	17-5/8"
C (IPS thread)	1"	1-1/4"	2"	2-1/2"
D (NPT thread)	3/4"	1"	1-1/2"	2"

PULSE RATES

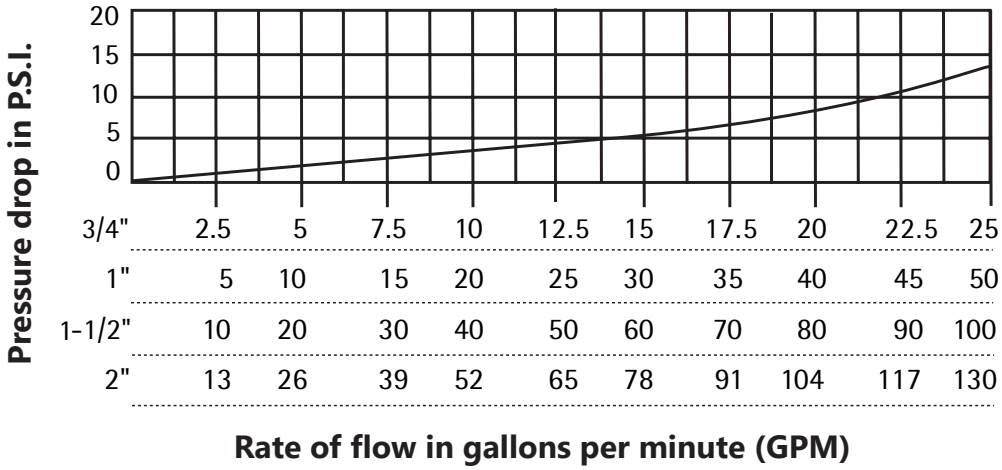
	3/4"	1"	1 1/2"	2"
Pulses per Gallon	20* 10 4† 2* 1	4† 2* 1	4† 2* 1	4† 2* 1
Gallons per Pulse	1 5* 10 50* 100	1 5* 10 50* 100	1 5* 10 50* 100	1 5* 10 50* 100
Cubic Feet per Pulse	1 5* 10	1 5* 10	1 5* 10	1 5* 10
Pulses per Cubic Meter	1 10 100	1 10 100	1 10 100	1 10 100
Liters per Pulse	1 10 100	1 10 100	1 10 100	1 10 100

**MJR/MJHR dual reed switch meters only*
†MJR/MJHR single reed switch meters only

FLOW RATES (GPM)

	3/4"	1"	1-1/2"	2"
Minimum	0.22	0.44	0.88	1.98
Maximum	22	52	88	132

PRESSURE DROP CURVE



MJ/MJH-SERIES
PULSE METER

HOW TO ORDER

Model

Cold Water

MJR = Reed Switch
MJE = Hall-effect sensor
MJT = Totalizer only

Hot Water

MJHR = Reed Switch
MJHE = Hall-effect sensor
MJHT = Totalizer only

Size

-075 = 3/4"
-100 = 1"
-150 = 1 1/2"
-200 = 2"

Pulse Rate

		MJR/MJHR (Single Reed)	MJR/MJHR (Dual Reed)	MJE/MJHE	MJT/MJHT
20P	= 20 Pulse/Gal		√*		
10P	= 10 Pulse/Gal	√*		√*	
4P	= 4 Pulse/Gal	√			
2P	= 2 Pulse/Gal		√		
1G	= 1 Gal/Pulse	√		√	
5G	= 5 Gal/Pulse		√		
10G	= 10 Gal/Pulse	√		√	
50G	= 50 Gal/Pulse		√		
100G	= 100 Gal/Pulse	√		√	
1CF	= 1 CF/Pulse	√		√	
5CF	= 5 CF/Pulse		√		
10CF	= 10 CF/Pulse	√		√	
1CM	= 1 Pulse/CM	√		√	
10CM	= 10 Pulse/CM	√		√	
100CM	= 100 Pulse/CM	√		√	
1L	= 1 Liter/Pulse	√		√	
10L	= 10 Liter/Pulse	√		√	
100L	= 100 Liter/Pulse	√		√	
G	= Gallons				√
CF	= Cubic Feet				√
CM	= Cubic Meters				√
L	= Liters				√

**3/4" only*

Options

-06 = LMI 4-pin pump connector
-07 = Seametrics 3-pin control connector
-106 = LMI 5-pin pump connector

User is responsible for reviewing end use application with their supplier for product suitability.

Accessories

PS40 = Pulse splitter
PT35 = Pulse timer

CONTACT YOUR SUPPLIER

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