Data Sheet

Two-wire reed switch pulse flow meter Specifications:

This meter uses a multi-jet principle, which has been an internationally-standard for many years. This type of meter is known for its wide range, simplicity, and accuracy in low quality water. This meter is **certified to NSF/ANSI 61**. 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 requires no special tools and can be done in the field.
This meter has a brass body and is available in 3/4”, 1”, 1 1/2” and 2” versions.
This meter uses a two-wire reed switch. They provide a dry contact closure and do not require power.

Features

- **Certified to NSF/ANSI 61**
- **Dry top multi-jet design**
- **Tolerates low quality water**
- **Simple pulse output**

brass body

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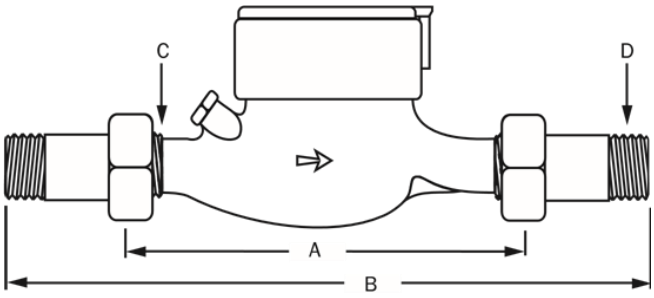
Specifications:

Temperature		105˚ F (40˚ C) max			
Pressure		150 psi operating (10.3 Bar)			
Materials	**Body**	Eco-brass alloy			
	Internals	Engineered thermoplastic			
	Magnet	Alnico			
	Fittings	Lead-free tail piece			
Accuracy		±1.5% of reading			
Pulse Output					
	Sensor	Reed switch			
	Max Current	20 mA			
	Max Voltage	24 Vdc or Vac			
Cable Length		12′ (4 m) standard (2000′ maximum run)			
Flow Rates (GPM)**		**3/4″**	**1″**	**1 1/2″**	**2″** *(MJN only)*
	Minimum	0.25	0.75	1.5	2.0
	Maximum	20	50	100	160
Regulatory		NSF/ANSI 61, complies with Federal Public Law 111-380			
Standards		ISO4064 Class B, AWWA C708			

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″

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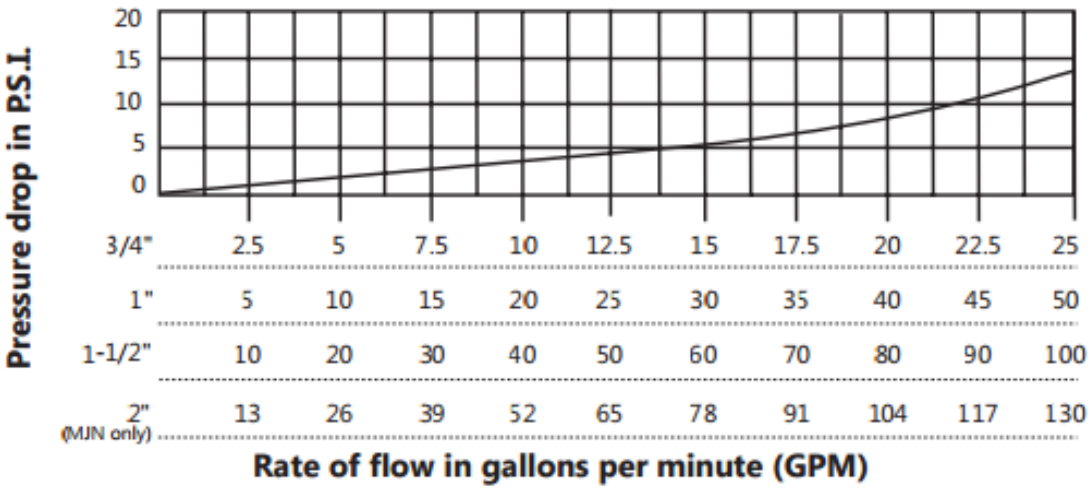
Pressure Drop Curve:



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

*dual reed switch meters only
†single reed switch meters only