WM-MJ

Multijet Cold and Hot Water Meters

Measurement Systems Ltd
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Product Overview

The WM-MJ is a range of cold and hot multi-jet water meters. The multi-jet impellers are mounted perpendicular to the flow and the speed of rotation increases in proportion to the water flow rate. The meters use a magnetic transmission system between the impellers and the dial to minimise drag and to enable the dial to be totally sealed from the water supply.

All the meters are fitted with a pulsed output reed switch allowing flow information to be fed into an Integrator or a BMS system.

Features

- Hot and Cold Water versions available
- Inbuilt water Strainer
- Dry Dial
- EEC Class B approved
- Working Pressure 16 Bar
- Reed switch pulse output
- Complete with fittings
- Cold water meters suitable for drinking water

Product Specifications

Body Material:	Powdered epoxy coated brass
Max Working Pressure:	16 Bar
Switch Type:	Reed switch - volt free
Pulse output rate:	every 1, 10 or 100 litres dependant on size
Pulse Interval:	1mSec including bounce
Max Contact Rating:	2VA dc
Max Load Current:	50mA
Max Switching Voltage:	30Vdc
Fluid Temperature Range:	
Cold	0 to 50 deg C (ice free)
Hot	0 to 90 deg C (ice free)
Protection:	IP67
Expected Life Span:	Typically 1-2 million cycles
Conformity:	EEC Class B approved
Country of Origin:	Germany

Order Codes - note add litre/ pulse requirement to code

Multijet Cold water Screwed Meters

WM-MJ-D15	1/2” Screwed cold water meter c/w pulse o/p
WM-MJ-D20	3/4” Screwed cold water meter c/w pulse o/p
WM-MJ-D25	1” Screwed cold water meter c/w pulse o/p
WM-MJ-D30	1 1/4” Screwed cold water meter c/w pulse o/p
WM-MJ-D40	1 1/2” Screwed cold water meter c/w pulse o/p
WM-MJ-D50	2” Screwed cold water meter c/w pulse o/p

Multijet Hot water Screwed Meters

WM-MJH-D15	1/2” Screwed hot water meter c/w pulse o/p
WM-MJH-D20	3/4” Screwed hot water meter c/w pulse o/p
WM-MJH-D25	1” Screwed hot water meter c/w pulse o/p
WM-MJH-D30	1 1/4” Screwed hot water meter c/w pulse o/p
WM-MJH-D40	1 1/2” Screwed hot water meter c/w pulse o/p
WM-MJH-D50	2” Screwed hot water meter c/w pulse o/p

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Terms Of Reference:-

- Size (mm)	Refers to inside bore diameter
-Max Flow rate (Qmax - m3/hr)	Refers to the emergency flow rate in the event of system failure. Damage may result.
-Nominal Flow rate (Qn- m3/hr)	Typical application for everyday usage
-Transitional Flow rate (Qt-l/hr)	Point at which the flow rate is high enough to achieve a level of accurate measurement
-Minimum Flow rate (Qmin- l/hr)	The absolute minimum flow rate at which the meter will function

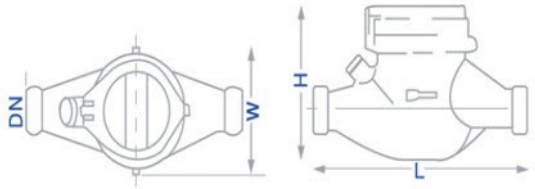
Technical Data

Similar flows and sizes for Cold and Hot water meters

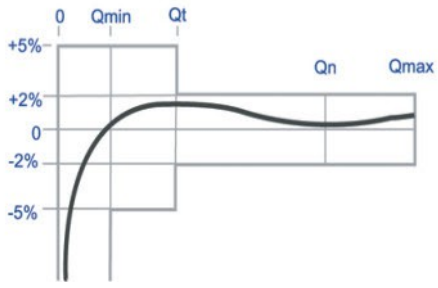
Part Number	DN Size mm	Qmax m3/hr	Qn m3/hr	Qt l/hr	Qmin l/hr	Pulse Options
WM-MJ-D15	15	3	1.5	120	30	1, 10, 100
WM-MJ-D20	20	5	2.5	200	50	1, 10, 100
WM-MJ-D25	25	7	3.5	270	70	10, 100
WM-MJ-D30	32	12	6	460	120	10, 100
WM-MJ-D40	40	20	10	750	200	10, 100
WM-MJ-D50	50	30	15	1050	300	10, 100

Part Number	DN Size inch	Length mm	Length Couplings	Height mm	Width mm	Weight kgs
WM-MJ-D15	1/2"	145	230	105	100	1.6
WM-MJ-D20	3/4"	190	280	106	100	1.8
WM-MJ-D25	1"	260	370	115	104	2.7
WM-MJ-D30	1 1/4"	260	375	115	105	2.9
WM-MJ-D40	1 1/2"	300	420	148	125	6
WM-MJ-D50	2"	300	435	173	126	12

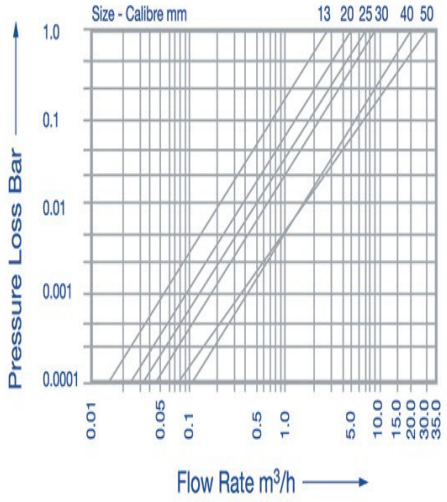
DIMENSIONS



TYPICAL ERROR CURVE



MAX PRESSURE LOSS DIAGRAM



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