

MJ-SDC-E Multi-Jet Water Meter

5/8" x 3/4", With Pulse/Reed Switch Output

DESCRIPTION

Model MJ-SDC 5/8 x 3/4" meters are multi-jet, dry type totalizing water meters. They are an ideal choice for a range of municipal, private and industrial water metering applications.



Meter comes with a pulse/reed switch for an output of one pulse per 10 gallons registered.

MJ-SDC meters are accurate and reliable. They are produced in an ISO9001 certified production facility and are constructed in conformance with AWWA C708 standards. The cold water meters are certified by NSF to meet ANSI/NSF 61 for materials safety and ANSI/NSF 372 for lead free compliance and conform with lead free plumbing as defined by California, Vermont, Maryland and Louisiana state laws and the U.S Safe Drinking Water Act.

SPECIFICATIONS

GENERAL

Measuring Principle: Multi-Jet

Meter Type: Dry, magnetic coupling between rotor and register movement.

Meter Sizes: 5/8 x 3/4"

Max Operating Temperature: Cold Water

Meter: 122°F (50°C)

Max Operating Pressure: 150 PSI Proof

Pressure: 300 PSI

Registration Accuracy, with water <80°F (27°C):

Normal Test Flow Range: The meter will register 98.5% to 101.5% of the water that passes through it.

Pressure Drop: <15 PSI, see curve (fig. 1)

At Minimum Test Flow: The meter will register 97% to 103% of the water that passes through it, see (fig.2).

Installation: *Horizontal orientation recommended*

Inlet Strainer: Internal and can be cleaned without breaking security seal

Casing Spud Connections: External straight threads according to ANSI/ASME B1.20.1.

Accessories: Meter coupling (tailpiece) sets that include 2 couplings and 2 gaskets, are optionally available.

PULSE REED SWITCH OUTPUT:

The pulse emitter consists of a plastic housing with a reed switch that is closed when a magnet mounted on one of the meters register comes into its activation proximity. A 1.5 meter (59") length of 2-conductor wire 3.5 mm inch diameter is standard. One conductor has red insulation and one has black.

Max Voltage: 24V AC/DC

Max Current: 0.01 A

Gallons per pulse: 10 Output Bounce Time: 0.01 second

fig. 1- Pressure

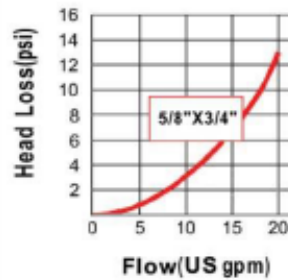


fig. 2- Accuracy

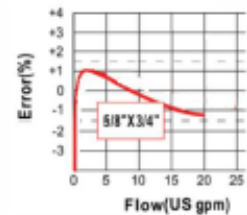


Table 1- Operating Characteristics								
Model	Size	Safe Max. Flow GPM	Recommended Maximum Continuous Flow Rate GPM	Min. Test Flow GPM	Normal Test Flow Limits GPM	Min. Reading Gallons	Max. Reading Gallons	Gallons/Pulse Output Option
MJ-SDC	5/8 x 3/4"	20	10	0.25	1-20	0.005	9,999,999.99	10 *Standard