

# SINGLE JET METERS

## NSF / ANSI 372



The SJM® single jet series meter is tested and certified to NSF/ANSI 372 for lead free compliance. This robust meter is suitable for reverse osmosis, de-ionized, hot (160°F), or cold water. The SJM® meter can handle up to 232 psi and the sealed register has the ability to rotate 360°. The meter has an integral strainer and is offered in gallons or liters.

The SJM® meter is designed in accordance with AWWA, C712-10 specifications and comes with a magnetic drive and dry sealed register to assure clear reading. The wet and dry side of the meter are separated and the magnetic coupling is shielded for protection from external magnetic fields.

The SJM® meter comes with a reed switch for signaling controllers or remote readers. (See chart on the back for detailed specifications)



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## METER SELECTION CHART

| METER/PIPE SIZE | MODEL       | *CONTINUOUS FLOW | FLOW RANGE   | METER WEIGHT | LENGTH | HEIGHT | WIDTH  | CONNECTION LENGTH[X2] |
|-----------------|-------------|------------------|--------------|--------------|--------|--------|--------|-----------------------|
| 5/8" x 3/4"     | 6251SJMG-1  | 12 GPM           | 1/4 - 22 GPM | 12 oz.       | 5 1/8" | 3 3/4" | 3 1/8" | 2"                    |
| 5/8" x 3/4"     | 6251SJML-10 | 12 GPM           | 1/4 - 22 GPM | 12 oz.       | 5 1/8" | 3 3/4" | 3 1/8" | 2"                    |

### CONTACT SETTINGS

(All contact settings are pre-set at the factory to your specification)

| METER SIZE  | MODEL       | CONTACT SETTING AVAILABLE   |
|-------------|-------------|-----------------------------|
| 5/8" x 3/4" | 6251SJMG-1  | 1 PULSE PER GALLON          |
| 5/8" x 3/4" | 6251SJML-10 | 1 PULSE PER TEN (10) LITERS |

### SJM® METER SPECIFICATIONS

|                           |   |
|---------------------------|---|
| <b>Meter Housing:</b>     | Engineered reinforced plastic (nylon). Meets AWWA C712-10 specifications. |
| <b>Magnetic Drive:</b>    | Shielded for magnetic field protection.                                   |
| <b>Register:</b>          | Dry Dial to assure clear reading. Register can rotate 360°.               |
| <b>Integral Strainer:</b> | Molded into the body.   |
| <b>Connections:</b>       | Plastic threaded connections and gaskets are provided.                    |
| <b>Reed Switch:</b>       | Dry Contact type, Normally Open (N/O), 24v / 10mA (for maximum life)      |
| <b>Pressure Rating:</b>   | Maximum 232 psi.  |
| <b>Temperature Range:</b> | 35° - 160°F. Protect the meter from freezing.                             |
| <b>PH Level Range:</b>    | 6.5 – 8.0   |
| <b>Accuracy:</b>          | +/- 2.0% of maximum flow.   |
| <b>Register Options:</b>  | U.S. Gallons and Liters   |

#### Installation Instructions:

1. Flush the line thoroughly after all plumbing changes to prevent contaminants from entering the meter.
2. Install horizontally with the register facing up and inlet port facing the water supply line.
3. Meter should be full of water at all times during operation.
4. For outdoor installation, protect meter from direct exposure to the elements.
5. Protect meter from backflow of water opposite of indicated flow direction.

#### Helpful Hint:

1. All valves used in a water line need to be operated slowly, and all electrically actuated valves should be slow closing. This will help eliminate possible meter damage from water hammer in your system. Carlon offers an excellent slow closing valve (SCV).
2. Install a Carlon Strainer upstream of your water meter to protect the meter and any other in-line process equipment from becoming jammed by particulate matter.

**Warranty:** Carlon Meter, Inc. warrants its products to be free of defect in material or workmanship for a period of twelve months from the date of purchase. Contact us to obtain a copy of our complete statement of warranty.