WM-PC Series

Plastic Water Meter

The WM-PC Series plastic water meter is an multi-jet style meter available in sizes from 1/2” to 1-1/2” with a dry type register for residential applications and designed to meet AWWA C708. The product complies with NSF/ANSI 61 Annex G and conforms with lead-free plumbing as defined by California, Vermont, Maryland and Louisiana state laws and the U.S. Safe Drinking Water Act that took effect January, 2014. It is an ideal choice for a range of municipal and industrial water metering applications.

Water flows through the meter's strainer (inlet and internal) and into the measuring chamber where it drives the impeller. A driving magnet transmits the movement of the impeller to a driven magnet located within the sealed register. The magnet is connected to a gear train which translates the impeller rotations into volume totalizers displayed on the meter's register dial face.

The WM-PC Series water meter is top loaded and consists of three basic components: main case, measuring chamber, and head ring. The main cases of all sizes are constructed with a sturdy polymer. All meters include pipe adapters (2 gaskets, 2 couplings, and 2 nuts) with nuts and couplings made from the same polymer as the main case.

FEATURES
- All parts in contact with water are constructed of corrosion-resistant materials.
- Body is constructed of reinforced plastic.
- Impeller is the only moving part in contact with water, giving the meter long life and consistantly reliable operation.
- Extra filter at the inlet of the meter body permits cleaning without having to open the meter.
- Dial plate design in US Gallons.
- Optional pulse output consisting of plastic housing with contact reed switch and cable.

MATERIALS OF CONSTRUCTION
- Body: FRP (fiber reinforced polymer)
- Internals: Engineered thermoplastic
- Magnet: Alnico

PRESSURE RANGE
Up to 150 PSI.

TEMPERATURE RANGE
Up to 105°F.

SPECIFICATIONS
- Maximum Reading: 050, 075 & 100: 9,999,999.99 150: 99,999,999.9
- Accuracy: Normal flow: ±1.5% Low flow: ±3%
- Optional Pulse Output Specifications
  - Sensor: Reed switch
  - Pulse Rates:
    - 050, 075 & 100: 1 pulse/1 gal.
    - 150: 1 pulse/10 gal.
  - Maximum Current: 20 mA
  - Maximum Voltage: 24 VAC/VDC
  - Cable Length: 4.5’ standard, 2000’ maximum run
WM-PC Series

Plastic water meter
(1/2” to 1-1/2” end connections)

DIMENSIONS, WEIGHTS & SPECIFICATIONS

(1/2” to 1” end connections)

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H (MNPT)</th>
<th>Flow Rate (GPM)</th>
<th>Normal Flow (GPM) (Qt - Qn)</th>
<th>Wt. (lbs)</th>
<th>Model No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8” x 1/2”</td>
<td>10.20</td>
<td>6.50</td>
<td>3.70</td>
<td>4.24</td>
<td>7.52</td>
<td>0.75</td>
<td>3.70</td>
<td>0.50</td>
<td>0.25</td>
<td>10</td>
<td>20</td>
<td>1-20</td>
</tr>
<tr>
<td>5/8” x 3/4”</td>
<td>11.58</td>
<td>7.50</td>
<td>3.70</td>
<td>4.24</td>
<td>7.52</td>
<td>1.00</td>
<td>3.70</td>
<td>0.75</td>
<td>0.25</td>
<td>10</td>
<td>20</td>
<td>1-20</td>
</tr>
<tr>
<td>1”</td>
<td>15.12</td>
<td>10.25</td>
<td>3.86</td>
<td>4.63</td>
<td>8.13</td>
<td>1.25</td>
<td>3.86</td>
<td>1.00</td>
<td>0.75</td>
<td>25</td>
<td>50</td>
<td>3-50</td>
</tr>
<tr>
<td>1-1/2”</td>
<td>17.00</td>
<td>12.00</td>
<td>5.13</td>
<td>6.38</td>
<td>10.25</td>
<td>2.31</td>
<td>5.25</td>
<td>1.50</td>
<td>1.50</td>
<td>50</td>
<td>100</td>
<td>5-100</td>
</tr>
</tbody>
</table>

A = total length including connection and gasket without compression.

ACCURACY CURVE

HEAD LOSS CURVES

Contact us for the most recent product and technical information. Visit our website for more details: assuredautomation.com