The MACH 10® ultrasonic water meter features solid state metrology with no degradation of accuracy over time. Combined with a corrosion-resistant, lead-free, high-copper alloy maincase, the MACH 10 is built to withstand demanding service conditions and deliver sustained accuracy over the life of the meter.

- Sizes ⅝", ¾", and 1"
- Extended low-flow range and accuracy
- No maintenance
- Accuracy sustained over meter life
- Advanced ultrasonic technology
- MACH 10®R900i™ features interleaved messages to support AMR, AMI, and the open-standards LoRaWAN™ AMI network simultaneously
- Supports Neptune Network-as-a-Service (NaaS) managed AMI service
**Specifications**

- **AWWA C715 Compliant**
- **NSF/ANSI 61 Certified**
- **UL327B Certified (¼", 1")**

**Application**

- Cold water measurement of flow in residential potable, combination potable and fire service, and reclaim/secondary water applications.

**Maximum Operating Water Pressure**

- 175 psi

**Operating Water Temperature Range**

- +33°F to +122°F (+0.5°C to +50°C)

**Options**

**Sizes**

- ¼", ⅜" x ¼"
- ⅜", ½" x 1"
- 1", 1" x 1 ¼"

**Units of Measure**

- U.S. gallons, Imperial gallons, cubic feet, cubic metres

**Meter Options**

- Potable water
- Reclalm water
- Residential fire service (combo or standalone meter service lines)

**Environmental Conditions**

- Operating temperature: +14°F to +149°F (-10°C to +65°C)
- Storage temperature: -40°F to +158°F (-40°C to +70°C)

**Warranty**

- Neptune provides a limited warranty with respect to its MACH 10 residential line of ultrasonic meters for performance, materials, and workmanship.

**System Compatibility**

- Available in MACH 10)R900i and MACH 10)TC configurations for an integrated radio solution.

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**MACH 10® Dimensions**

<table>
<thead>
<tr>
<th>Meter Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D NPSPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>¼&quot;</td>
<td>7 ⅛&quot;</td>
<td>6&quot;</td>
<td>2 ⅞&quot;</td>
<td>⅜&quot; - 14</td>
</tr>
<tr>
<td>⅜&quot; x ¼&quot;</td>
<td>7 ⅛&quot;</td>
<td>6&quot;</td>
<td>2 ⅞&quot;</td>
<td>⅜&quot; - 11⅛</td>
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<tr>
<td>⅜&quot;</td>
<td>9&quot;</td>
<td>6&quot;</td>
<td>2 ⅞&quot;</td>
<td>⅜&quot; - 11⅛</td>
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<tr>
<td>⅜&quot; SL</td>
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**MACH 10®)R900™ DIMENSIONS**

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</table>

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**Operating Characteristics**

<table>
<thead>
<tr>
<th>Meter Size</th>
<th>Normal Operating Range @ 100% Accuracy (+/- 1.5%)</th>
<th>AWWA C715 Standard Type 1</th>
<th>Extended Low Flow @ 100% Accuracy (+/- 3%)</th>
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</thead>
<tbody>
<tr>
<td>¼&quot;</td>
<td>0.10 to 25 U.S. gpm 0.02 to 4.55 m³/h</td>
<td>0.2 to 20 U.S. gpm 0.23 to 4.5 m³/h</td>
<td>0.05 U.S. gpm 0.01 m³/h</td>
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<tr>
<td>⅜&quot;</td>
<td>0.10 to 35 U.S. gpm 0.02 to 6.82 m³/h</td>
<td>0.5 to 30 U.S. gpm 0.45 to 6.8 m³/h</td>
<td>0.05 U.S. gpm 0.01 m³/h</td>
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<tr>
<td>1&quot;</td>
<td>0.40 to 55 U.S. gpm 0.11 to 11.36 m³/h</td>
<td>0.75 to 50 U.S. gpm 0.75 to 11.4 m³/h</td>
<td>0.25 U.S. gpm 0.03 m³/h</td>
</tr>
</tbody>
</table>

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**Pressure Loss**

- 0.1 U.S. Gallons
- 0.1 Imperial Gallons
- 0.01 Cubic Feet
- 0.001 Cubic Metres

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**Register**

- High Resolution (8-digit reading)
- Forward Flow + Warning for Excessive Flow
- Empty Pipe
- Low Battery
- Rate and Units
- Cumulative Units

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**LoRa Alliance Certified™**

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