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
- Lead free, high-copper alloy maincase
- Certified to UL 327B (¼", 1") for residential fire service applications
Specifications

AWWA C715 Compliant
NSF/ANSI 61 Certified
UL327B Certified
(Optional on ¾", 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)

Nine-digit LCD display

Options

Sizes
• ⁵⁄₈", ⁷⁄₈" x ⁷⁄₄"
• ³⁄₄", ⁹⁄₈" x ³⁄₄"
• 1", 1" x ¹¹⁄₄"

Units of Measure
• U.S. gallons, Imperial gallons, cubic feet, cubic metres

Meter Options
• Potable water
• Reclaim 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 for performance, materials, and workmanship. See warranty statement for details.

System Compatibility
• Available in MACH 10\(^\circ\)R900\(^i\) and MACH 10\(^\circ\)TC configurations for an integrated radio solution.

MACH 10\(^\circ\) Dimensions

<table>
<thead>
<tr>
<th>Meter Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D NPSM</th>
</tr>
</thead>
<tbody>
<tr>
<td>⁵⁄₈&quot;</td>
<td>⁷⁄₈&quot;</td>
<td>⁴⁄₅&quot;</td>
<td>⁲⁄₅&quot;</td>
<td>¾&quot; - 14&quot;</td>
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<tr>
<td>³⁄₄&quot; x ⁷⁄₄&quot;</td>
<td>⁷⁄₈&quot;</td>
<td>⁴⁄₅&quot;</td>
<td>⁲⁄₅&quot;</td>
<td>¹&quot; - 11¼&quot;</td>
</tr>
<tr>
<td>⁹⁄₈&quot; x ¹&quot;</td>
<td>⁹⁄₈&quot;</td>
<td>⁴⁄₅&quot;</td>
<td>⁲⁄₅&quot;</td>
<td>¹&quot; - 11¼&quot;</td>
</tr>
<tr>
<td>¹&quot; x ¹¾&quot;</td>
<td>¹⁰⁄₈&quot;</td>
<td>⁴⁄₅&quot;</td>
<td>⁲⁄₅&quot;</td>
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MACH 10\(^\circ\)R900\(^i\)™ Dimensions

<table>
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<tr>
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<tr>
<td>⁵⁄₈&quot;</td>
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<td>⁶⁄₄&quot;</td>
<td>²⁄₅&quot;</td>
<td>⁴⁄₃&quot; - 14&quot;</td>
<td>⁵⁄₄&quot;</td>
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<td>⁶⁄₄&quot;</td>
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</table>

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>
</tr>
</thead>
<tbody>
<tr>
<td>⁵⁄₈&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 0.02 to 4.5 m³/h</td>
<td>0.05 U.S. gpm 0.01 m³/h</td>
</tr>
<tr>
<td>³⁄₄&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>
</tr>
<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>

Registration

High Resolution (8-digit reading)
- 0.1 U.S. Gallons
- 0.1 Imperial Gallons
- 0.01 Cubic Feet
- 0.001 Cubic Metres

Pressure Loss

This chart shows typical meter performance. Individual results may vary.