

# Be Confident with Sustained Accuracy Over Time

Neptune® MACH 10® Ultrasonic Meter



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 1½" and 2"
- Extended low-flow range for superior leak detection
- Accuracy sustained over meter life
- Can be installed in both horizontal and vertical applications
- Advanced ultrasonic technology
- Lead free, high-copper alloy maincase
- Certified to UL 327B (1½", 2") for residential fire service applications
- No maintenance

**Accu-Flo**  
1-800-921-2228  
[www.accuflo.com](http://www.accuflo.com)

  
**NEPTUNE**  
TECHNOLOGY GROUP  
#winyourday

## Specifications

AWWA C715 Compliant

NSF/ANSI 61 Certified

UL 327B Certified

(Optional for 1½", 2")

### Application

- Cold water measurement of flow in 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)

### 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)

## Options

### Sizes

- 1½"
- 2"

### Meter Options

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

## Warranty

- Neptune provides a limited warranty for performance, materials, and workmanship. See warranty statement for details.

## System Compatibility

- Compatible with Neptune R900® and CMIU. Also available as MACH 10®)R900i™ for an integrated radio solution and MACH 10®)TC for Sensus Touch Coupler compatibility.

## Operating Characteristics

| Meter Size | Normal Operating Range @ 100% Accuracy (+/- 1.5%) | AWWA C715 Standard Type 1 | Extended Low Flow @ 100% Accuracy (+/- 3.0%) |
|------------|---------------------------------------------------|---------------------------|----------------------------------------------|
| 1½"        | 0.80 to 125 U.S. gpm                              | 2.0 to 100 U.S. gpm       | 0.30 U.S. gpm                                |
| 2"         | 1.50 to 160 U.S. gpm                              | 2.5 to 160 U.S. gpm       | 0.50 U.S. gpm                                |

## Dimensions

| Meter Size | Length | Height | Flanges         |
|------------|--------|--------|-----------------|
| 1½"        | 10"    | 6¼"    | Oval            |
|            | 13"    | 6¼"    | Oval            |
|            | 12⅝"   | 6¼"    | Internal Thread |
|            | 12⅝"   | 6¼"    | External Thread |
| 2"         | 10"    | 6½"    | Oval            |
|            | 15¼"   | 6½"    | Oval            |
|            | 17"    | 6½"    | Oval            |
|            | 15¼"   | 6½"    | Internal Thread |
|            | 15¼"   | 6½"    | External Thread |

## Available Units of Measure

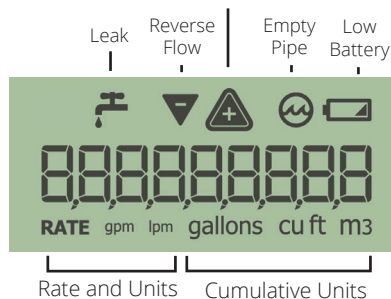
| Consumption                  | Rate |
|------------------------------|------|
| Gallons                      | GPM  |
| Cubic Feet                   | GPM  |
| Cubic Metres                 | LPM  |
| Cubic Meters (International) | LPM  |
| Imperial Gallons             | GPM  |
| Acre-Feet*                   | GPM  |
| Litres*                      | LPM  |
| Kilolitres*                  | LPM  |

\*Unit cannot be displayed on LCD

## LCD Display

9-digit display for extra resolution on manual reads.

Forward Flow + Warning for Excessive Flow

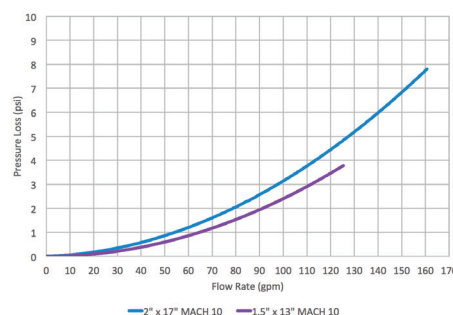


## Registration

| High Resolution (8-digit reading) |                  | 1½" | 2" |
|-----------------------------------|------------------|-----|----|
| 1                                 | U.S. Gallons     | ✓   | ✓  |
| 1                                 | Imperial Gallons | ✓   | ✓  |
| 0.1                               | Cubic Feet       | ✓   | ✓  |
| 0.01                              | Cubic Metres     | ✓   | ✓  |

## Pressure Loss

Typical meter performance. Individual results may vary.



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