

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 5/8", 3/4", 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 (3/4", 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

- ⅝", ⅝" x ¾"
- ¾", ¾" x 1"
- 1", 1" x 1¼"

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 with respect to its MACH 10 residential line of ultrasonic meters for performance, materials, and workmanship.

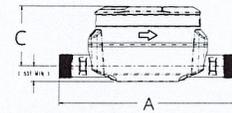
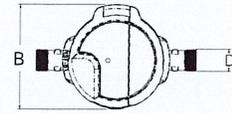
System Compatibility

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

LoRa Alliance Certified™

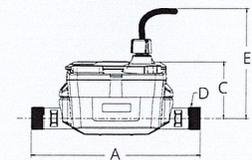
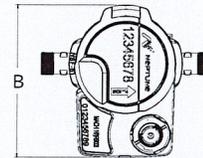
MACH 10® Dimensions

Meter Size	A	B	C	D NPSM
⅝"	7½"	4⅞"	2½"	¾" - 14
⅝" x ¾"	7½"	4⅞"	2½"	1" - 11½"
¾"	9"	4⅞"	2⅞"	1" - 11½"
¾" SL	7½"	4⅞"	2⅞"	1" - 11½"
¾" x 1"	9"	4⅞"	2⅞"	1¼" - 11½"
1"	10¾"	4⅞"	2⅞"	1¼" - 11½"
1" x 1¼"	10¾"	4⅞"	2⅞"	1½" - 11½"



MACH 10®)R900i™ DIMENSIONS

Meter Size	A	B	C	D NPSM	E
⅝"	7½"	6¾"	2½"	¾" - 14	5⅞"
⅝" x ¾"	7½"	6¾"	2½"	1" - 11½"	5⅞"
¾"	9"	6¾"	2⅞"	1" - 11½"	5⅞"
¾" SL	7½"	6¾"	2⅞"	1" - 11½"	5⅞"
¾" x 1"	9"	6¾"	2⅞"	1¼" - 11½"	5⅞"
1"	10¾"	6¾"	2⅞"	1¼" - 11½"	6⅞"
1" x 1¼"	10¾"	6¾"	2⅞"	1½" - 11½"	6⅞"



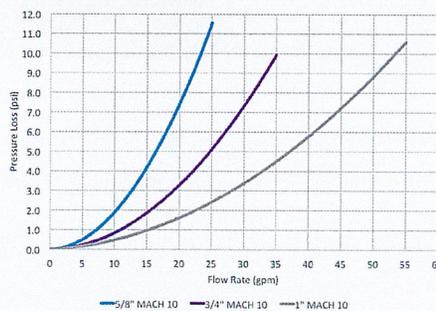
Operating Characteristics

Meter Size	Normal Operating Range @ 100% Accuracy (+/- 1.5%)	AWWA C715 Standard Type 1	Extended Low Flow @ 100% Accuracy (+/- 3%)
⅝"	0.10 to 25 U.S. gpm 0.02 to 4.55 m³/h	0.2 to 20 U.S. gpm 0.23 to 4.5 m³/h	0.05 U.S. gpm 0.01 m³/h
¾"	0.10 to 35 U.S. gpm 0.02 to 6.82 m³/h	0.5 to 30 U.S. gpm 0.45 to 6.8 m³/h	0.05 U.S. gpm 0.01 m³/h
1"	0.40 to 55 U.S. gpm 0.11 to 11.36 m³/h	0.75 to 50 U.S. gpm 0.75 to 11.4 m³/h	0.25 U.S. gpm 0.03 m³/h

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



Residential Fire Service Meter


neptunetg.com

Neptune Technology Group
1600 Alabama Highway 229
Tallahassee, AL 36078
800-633-8754 f 334-283-7293