



Multi-Jet Water Meter

Bottom Load 1 1/2" thru 2"



Features and Benefits

- ⇒ Meets or exceeds AWWA C708 Standard
- ⇒ High Quality NSF-61 Bronze Construction
- ⇒ 5-year New Meter Accuracy Warranty
- ⇒ 25-year Standard Warranty on Meter Body
- ⇒ Copper Can Sealed Register
- ⇒ Durable Strainer Protects Against Damage
- ⇒ Rated to 120°F
- ⇒ Great Low Flow Accuracy
- ⇒ Large Easy to Read Numbers
- ⇒ Tempered Glass Resists Scratching
- ⇒ Tamper Resistant

Application The C708 Meter is used for measuring potable cold water up to 120°F (50°C) and working pressures up to 150 psi. It can be used in residential, commercial or industrial applications, where water flows in one direction only. Choose an optional ESP integrated AMR Register for use in mobile and fixed network AMR/AMI systems.

Main Case The main casing complies with the NSF/ANSI Standard 61. The main case shows the size of meter and direction of flow and has flanged ends.

Magnetic Drive Direct magnetic drive through the use of high strength magnets provides linkage between measuring element and register. No intermediate gearing is required thus no gearing is exposed to water.

Servicing BluTower meters are designed and manufactured to provide long-term service with minimal maintenance. The measuring chamber assembly can be removed in order to be repaired or replaced if needed.

Operation Velocity-type meter. Water, evenly distributed by multiple jet nozzles, flows past an impeller in the measuring chamber, creating an impeller velocity directly proportional to water flow rate. The meter's register integrates velocity into totalized flow.

Strainers All meters have a rigid thermoplastic strainer installed. The strainer is designed to smooth the flow of water entering into the meter and protecting the critical measuring element from damage.

Installation The meter must be installed in a clean pipeline, free from any foreign materials. Install the meter with the direction of flow as indicated by the arrow cast in the meter case. The meter is recommended to be installed in a horizontal position with the register facing up.

METER OPERATING CHARACTERISTICS/DIMENSIONS		
Sizes	1 1/2"	2"
Typical Operating Range (100% \pm 1.5%)	5 - 120 gpm	8 - 160 gpm
Low Flow (Min. 95%)	1 gpm	2 gpm
Maximum Continuous Operating Flow	75 gpm	120 gpm
Maximum Operating Capacity	120 gpm	160 gpm
Pressure Loss at Max. Continuous Flow	12 psi	12 psi
Maximum Operating Temperature	120°F	120°F
Maximum Operating Pressure	150 psi	150 psi
Meter Length (Flange Ends)	13 inches	17 inches
Weight	18.6 lbs	24.4 lbs



Register

The standard register consists of an odometer type display, showing the total amount of water use. One revolution of the sweep hand will be equal to 100 gallons/10 cu ft. It is copper canned and vacuum sealed, making it impossible for the register to fog. The lens is scratchproof made of tempered glass. The 1:1 piston ratio low-flow indicator gives a visual indication of a leak.

Materials

Main Case	NSF-61 Bronze
Measuring Chamber	Thermoplastic
O-Ring	Nitrile Rubber
Magnet	Ceramic Ferrite
Strainer	Thermoplastic
Register Lens	Tempered Glass
Gearing Wheels	Thermoplastic
Register Housing	Bronze or Thermoplastic

Register includes the following

Size of Meter
Center Sweep Hand
Month and Year of Manufacture
Large, Easy to Read Numbers
Low Flow/Leak Indicator
Type of Reading (US Gallon, Cubic Feet)

Connector Flanges for installation of meters are available as an option.

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