

Specification Sheet

MJ-60 Epoxy Meter Size: 1 inch

Specifications

Size	1 in.
Typical Operating Range 100% ± 1.5%	3 – 60 gpm
Low Flow (Min. 97%)	3/4 gpm
Max Continuous Operating Flow	40 gpm
Max Operating Capacity	60 gpm
Pressure Loss at 50 gpm	7.0 psi
Max Operating Temperature	120°F
Max Operating Pressure	150 psi

Meets or exceeds latest revision of AWWA C708 Performance Standards

Physical Characteristics

	inches
Meter length	
Screw Ends	10 3/4
Meter Casing Spuds	
Nominal Thread Size	1 1/4
Couplings (Tailpieces)	
Length	2 5/8
Nominal Thread Size	1
Weight	5 lbs

Meets or exceeds latest revision of AWWA C708 Dimensional Specifications

- All bronze construction
- Copper can sealed register
- Remote ready
- Tempered glass resist scratching
- Large numbers for easy reading
- Great low flow
- Can rebuild easily in the pit or meter box
- Built-in strainer
- 5-year new meter accuracy warranty
- 25-year standard warranty for body
- Rated to 120°F



Description

Applications - For use in measurement of potable cold water in residential, commercial and industrial services where flow is in one direction only.

Main casing - Main casings are made of a copper alloy containing not less than 85% copper such as UNS C83600 or a similar copper alloy as listed in ASTM B584 and SDWA 141.43 No Lead with epoxy coating. The serial number is engraved on the body. The main case also shows the name of the manufacturer (IMC), the size and direction of flow.

Register housing and lids - Register housing are made of a copper alloy containing not less than 57% copper such as UNS C85700 or UNS C86200; or similar copper alloy as listed in ASTM B584 or UNS C85800, as listed in ASTM B176. The lids are made of a suitable engineering plastic.

Measuring cages or chambers - Measuring cages or chambers are made of engineering plastic, such as polyethylene ether (PPE) per ASTM D4349, nylon (N) per ANSI/ASTM D4066, polyethylene per ASTM D1248, or polystyrene per ASTM D4549.

Measuring cages or chambers have sufficient dimensional stability to retain operating clearances at working temperatures of up to 120°F (49°C) and shall not warp or deform.

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Installation - The meter must be installed in a clean pipeline, free from any foreign materials. The meter shall be installed with the direction of flow as indicated by the arrow cast in the meter case. The meter may be installed in horizontal or inclined lines up to 45°, with the register facing upward.

Strainers - All meters have a strainer installed in the meter. Strainer screens are rigid, snug fitting, easy to remove and have an effective straining area of at least double that of the main-case inlet.

Registers - Of the dry type with scratchproof lens. The register is Infinity's Retro Switch Register (RSR), copper canned and vacuum-sealed so that it becomes impossible for the register to fog.

Register includes the following:

- Optional RSR to attach to AMR Devices
- Company name
- Month and year of manufacture
- Center sweep hand
- Large, easy to read numbers
- Size of meter
- Type of reading (example U.S. Gallons, Cubic Feet, or m3)
- Diamond shaped indicator detecting low flow or leaks

Register includes odometer, which will give the total amount of water. One sweep of the hand will be equal to:

5/8 thru 1" meters 10 gallons/1 cu ft

Connectors - Tailpieces/meter couplings for installation of meters on various types and sizes of pipe are available as an option.

Magnetic Drive - The use of high strength magnets provides positive, reliable and dependable register coupling.



Materials

Main Case	Bronze
Measuring Unit	Thermoplastic
O-Ring	Nitrile Rubber
Impeller	Thermoplastic
Magnet	Ceramic Ferrite
Strainer	Thermoplastic
Register Lens	Tempered Glass
Register Housing	Bronze
Gearing Wheels	Polyoxymethylene

Data Output - Optional RSR (Retro Switch Register) activator offers compatibility with many data analysis and AMR systems.



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Due to continuous research and product enhancements, Infinity Metering Company, Inc. reserves the right to change product or system specifications without notice, except to the extent an outstanding contractual obligation exists.

MJ-10GEP022309