



3/4" x 7 1/2" HC meter body with 1" chamber pictured above.

Master Meter created the High Capacity Multi-Jet Meter as a targeted residential measurement solution where increased water flow of up to 150% is needed without any modification to the meter setting or plumbing installation. This is a cost effective remedy to customer service issues resulting from low water pressure and insufficient flow needed for today's high capacity requirements.

Technical Specifications:

AWWA Standard - Meets or exceeds all sections of AWWA Standard C-708, most recent revision. Compliant with SDWA, NSF ANSI 372 and NSF ANSI 61 standards.

Register - Proprietary top-mount bayonet register mount provides complete flexibility in system compatibility and register technology including Master Meter Allegro AMI, 3G® AMR, Interpreter with integral 3G AMR, eLinX encoder, AccuLinX encoder, and Direct Read.

Register Sealing - Direct Read and electronic registers are permanently sealed with a scratch-resistant borosilicate tempered glass lens, stainless steel base and wrap-around gasket to prevent intrusion of dirt or moisture.

Features & Benefits:

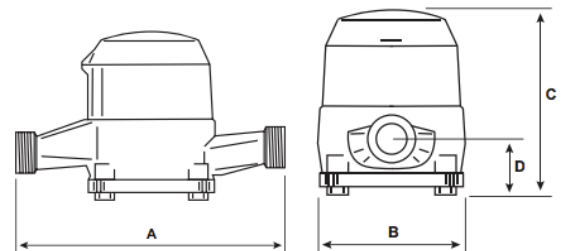
- Provides 1" flow characteristics in a compact 7 1/2" traditional residential meter laying length with 3/4" end connections.
- Highly cost-effective customer service solution to address insufficient flow or low pressure complaints.
- Excellent solution for accurately measuring increased flow after water intensive landscaping projects.
- Fully complies with the Safe Drinking Water Act (SDWA), NSF 61, and NSF 372.
- Proprietary multi-jet design produces a smooth flow profile, whether in the laminar or turbulent range for optimal accuracy and reduced wear.
- The HC's elegant measurement design features a single hydro-dynamically balanced moving part on two sapphire bearings to preserve accuracy, promote accountability, and ensure optimal revenue over time.
- Exceptional performance in passing small entrained particles and operating in environments with high mineral content.



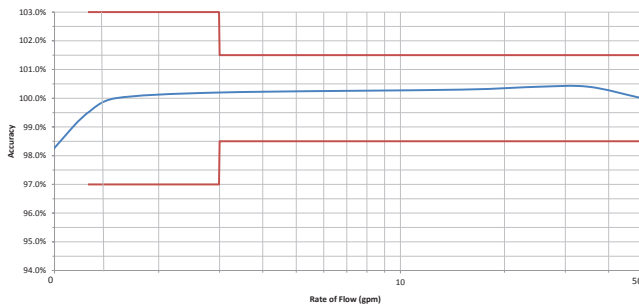
Technical Specs (Cont'd):

- **Register Unit** - Registration available in U.S. gallons, cubic feet or cubic meters in mechanical register designs. Programmable electronic registers additionally feature acre feet.
- **Test Circle** - Mechanical register designs feature a large center sweep hand with one hundred (100) clearly marked gradations on the periphery of the dial face (available on Direct Read and 3G registers).
- **Design/Operation** - Velocity-type flow measurement. Water that is evenly distributed by multiple converging inlet ports flows past an impeller in the measuring chamber, creating an impeller velocity directly proportional to water flow rate. The meter's register integrates that velocity into totalized flow. An inherent advantage for this design is unparalleled wear mitigation leading to sustained revenues. The register assembly is removable under line pressure permitting seamless, simplified upgrades in reading technology.
- **Strainer** - A rugged, 360-degree advance polymer basket strainer protects the critical measuring element from damage. The unique strainer design smoothes the flow of water entering the chamber creating a balance flow profile that is gentle on the meter's internal components. Tough materials operating in a smooth, balanced environment enable the meters to perform more accurately over time. Utilities' investments last longer while capturing more revenue.
- **Measuring Chamber** - The measuring chamber housing and measurement element are built with an advanced synthetic polymer. Measurement surfaces are not wear surfaces, providing sustained accuracy despite the presence of entrained solids in the water. Long life, synthetic sapphire bearings serve as wear surfaces with radially balanced water flow. The chamber housing is constructed in two parts to allow access to the impeller.
- **Bottom plates** - available in Cast Iron, Bronze or Engineered Plastic.

METER OPERATING CHARACTERISTIC/DIMENSION	3/4" x 7 1/2" Body with 1" Chamber
Flow Rating (gpm)	50
Continuous Flow (gpm)	25
Normal Flow Range (gpm)	3-50
Extended Low Flow (gpm)	3/4
Maximum Working Pressure (psi)	175
Maximum Working Temperature (F)	105
Length (A)	7-1/2"
Width (B)	4"
Height, standard register with lid (C)	5 3/4"
Height, bottom to center line (D)	2"
Weight (lbs)	3.7
Packed To Carton	6
Carton Weight (lbs)	23.6



Accuracy Chart



Headloss Chart

