



MMT Turbine Meters

1-1/2" to 12"

High accuracy and long life, high volume water measurement.



For high volume applications where high accuracy is essential, depend on Master Meter MMT or MMT-S Turbine Meters for utility or industrial cold water measurement.

Efficient Flow Patterns: AWWA C-701 Class II MMT and MMT-S Turbine Meter designs incorporate low head loss and streamlined flow patterns, reducing the energy required for water delivery. And the meters' extended flow ranges allow meter downsizing without revenue loss.

Durable Construction: Durable bronze case 2" to 8" MMT Turbines provide long service life. For 10" and 12" sizes, cost-effective epoxy-coated cast iron construction affordably provides performance, strength and endurance. Nylon inlet flow conditioners and polypropylene rotors insure high accuracy and long service life.

Electronic Reading Compatible: All Master Meter MMTs are equipped with a DIALOG register, which interfaces to an appropriate output module for Master Meter reading systems -- DIALOG on-site reading, T-LINX advanced telephone AMR and RF-LINX fixed network radio.

FEATURES & BENEFITS

- Meets All AWWA Standards; NSF Certified
- High Accuracy Reads
- Efficient Flow Patterns
- Durable Construction
- Electronic Reading Compatible
- Wide Range of Flow



TECHNICAL SPECIFICATIONS:

Description	AWWA Class II Turbine Meter; Certified by NSF to NSF/ANSI Standard 61.	Magnetic Drive	A reliable, direct magnetic drive provides linkage between measurement element and register. No intermediate gearing is required; no gearing is exposed to water.
Design/Operation	Velocity-type meter. 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. This meter's register integrates that velocity into totalized flow. The register assembly is removable under line pressure permitting upgrades in reading technology on this long life meter with low headloss.	Register	Standard direct read, DIALOG® Meter Reading System and Electrical Output registers are available. A six-wheel odometer is standard. Registration is available in gallons or cubic feet.
Main Case	2" - 8" constructed of waterworks bronze, 81% copper composition, with flanged ends. 10" and 12" constructed of epoxy-coated cast iron. Bronze register retaining ring and lid are standard. A downstream test plug is provided to allow field testing without removal of the assembly from the line.	Register Sealing	Direct read and DIALOG® System registers are permanently sealed, with a tempered glass lens, stainless steel base and wrap-around gasket to prevent intrusion of dirt or moisture.
Measuring Chamber	Meter chamber assembly and turbine are constructed of durable, engineering plastics for extended service life.	Test Circle	Large center sweep hand with 100 clearly indicated graduations per minimum registration unit, with each tenth marked.
		Low Flow Detector	Center-mounted indicator with high sensitivity resulting from direct one to one linkage to the measuring element.

