



The Master Meter WT Turbine provides uncompromised accuracy that meets or exceeds AWWA C-701 Class II Turbine standards in spite of its compact length. The WT's epoxy-coated cast iron maincase reduces meter cost while providing tough durability and superior corrosion resistance. Nylon inlet flow conditioners and polypropylene rotors insure enduring high accuracy and long service life for optimal revenue generation for years to come.

Technical Specifications:

- **Description:** AWWA Class II Turbine Meter
- **AWWA Standard:** Meets or exceeds the performance required by AWWA Standard C701, most recent revision, for Class II Turbine Meters
- **Main Case:** 2" - 12" constructed of epoxy-coated cast iron, with flanged ends. Bronze register retaining ring and lid are standard

Technical Specifications (Cont'd):

- **Measuring Chamber:** Meter chamber assembly and turbine are constructed of durable, engineering plastics for extended service life
- **Magnetic Drive:** A reliable, direct magnetic drive provides linkage between measurement element and register. No intermediate spur gearing is required; no gearing is exposed to water
- **Register:** Standard direct read, DIALOG® Meter Reading System, AccuLinx, Electrical Output, Interpreter, and Rate-of-Flow are available. A six-wheel odometer is standard. Registration is available in gallons, cubic feet or cubic meters.
- **Register Sealing:** Direct read, AccuLinx 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
- **Test Circle:** Most registers have large center sweep hand with 100 clearly indicated graduations per minimum registration unit, with each tenth marked
- **Low Flow Detector:** Most registers have center-mounted indicator with high sensitivity resulting from direct, geared linkage to the measuring element



Performance Data

METER OPERATING CHARACTERISTIC/DIMENSION	2"	3"	4"	6"	8"	10"	12"
Normal Operating Range ($\pm 1-1/2\%$) (gpm)	4.4-175	6-330	9-1320	35-1150	37-2000	60-6500	180-8800
Continuous Operating Range (gpm)	4.4-175	6-330	6.5-1000	35-1150	37-2000	60-3300	180-4400
Low Flow (95%) (gpm)	2.5	4.5	6.5	19	30	44	50
Maximum Intermittent Flow (gpm)	285	485	1320	1800	3200	6500	8800
Maximum Working Pressure (psi)	175	175	175	175	175	175	175
Maximum Working Temperature (°F)	120	120	120	120	120	120	120
Length	7.9"	9.1"	9.9"	11.7"	13.7"	18"	20"
Height	8.5"	9.2"	9.9"	12.3"	13.5"	17.5"	18.6"
Height, bottom to center line	2.8"	3.6"	4.3"	5.4"	6.6"	8.1"	9.2"
Width	6.5"	7.9"	8.6"	11.1"	13.4"	16.2"	18.4"
Weight (lbs)	27	35	43	78	105	167	211
Register Capacity (millions) - U.S. Gallons	100	100	1000	1000	10000	10000	10000
Register Capacity (millions) - Cubic Feet	10	10	100	100	1000	1000	1000
Epoxy-Coated Maincase Base Metal	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron
Flanges/End Connections	Round	Round	Round	Round	Round	Round	Round

Head Loss Chart

