

# MASTER METER WT TURBINE

2" TO 12"



## MORE REVENUE FROM LESS SPACE.

WT provides a cost effective, compact epoxy-coated cast iron body for our ruggedized field proven turbine measuring element. For 2" to 12" high volume applications too cramped to accommodate a standard length turbine meter, the Master Meter WT Turbine Meter delivers superior accuracy in a design that is 20 to 33 percent shorter than most turbines. This shorter laying length enables accurate measurement without replumbing, customer inconvenience, and allows for a spool mounted test port per AWWA M6 Manual.

WT Turbine Meters provide uncompromised accuracy that meet or exceed AWWA C-701 Class II Turbine standards in spite of its compact length. The WT's epoxy-coated cast iron main case 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.

## FEATURES & BENEFITS:

- \* Sustained accuracy for maximum revenue over time
- \* Meets or exceeds AWWA C-701 Class II Turbine; most recent revision
- \* Ruggedized epoxy-coating for superior corrosion resistance
- \* Easily adapted for use with AMR/AMI Data Platforms
- \* Precision engineered for efficient flow patterns with minimal head loss
- \* Turbine and Chamber Constructed from Non-Hydrolyzing, Wear Resistant Polymer
- \* Wide Range of Flow for Maximum Accountability of Usage

## REGISTER OPTIONS:

- \* AccuLinx™ 8 Wheel Absolute Encoder (also available with integrated DIALOG 3G AMR)
- \* DIALOG 3G Odometer Interpreter
- \* DIALOG 3G LCD Interpreter™
- \* Electrical Output Register
- \* Rate-of-Flow
- \* Direct Read

## READING OPTIONS:

- \* FixedLinx™ Meter Data Management Solution
  - Utilizes the 3G technology backbone with simultaneous Mobile AMR and Fixed Network AMI data collection capabilities
- \* Mobile Drive-By AMR - 3G
- \* Proximity/Wand Read - 2G
- \* Direct Read/Manual

**SIZES AVAILABLE: 2" - 12"**

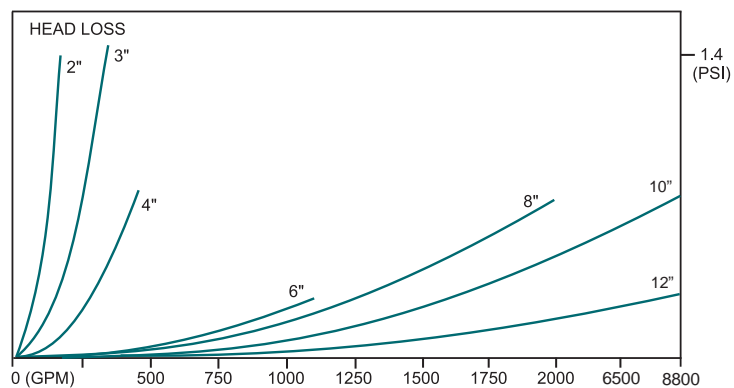
## TECHNICAL SPECIFICATIONS:

- 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
- 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

## WT EPOXY-COATED CAST IRON TURBINES 2" - 12"

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 Operatin 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



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