



# WT Cast Iron-Epoxy Coated Turbines

50 mm to 200 mm (2" to 8")

Our WT Turbines sport compact, cost effective cast iron construction.



For 50 mm (2") to 200 mm (8") high volume installations too cramped to accommodate a standard length turbine meter, the Master Meter WT Turbine Meter offers a high accuracy design, 20 to 33 percent shorter than most turbines. Our shorter laying lengths enable accurate measurement without replumbing or customer inconvenience.

Despite their shortened laying lengths, WT Turbine Meters provide uncompromised accuracy to AWWA C-701 Class II Turbine standards. The WTs' cast iron, epoxy-coated main cases reduce meter cost while providing durability and corrosion resistance. Nylon inlet flow conditioners and polypropylene rotors insure high accuracy and long service life.

## FEATURES & BENEFITS

- AWWA Class II Accuracy
- High Quality Casing
- Long Life Materials

## TECHNICAL SPECIFICATIONS

<b>Description</b>	AWWA Class II Turbine Meter.	<b>Register</b>	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.
<b>AWWA Standard</b>	Meets or exceeds the performance required by AWWA Standard C701, most recent revision, for Class II Turbine Meters.	<b>Register Sealing</b>	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.
<b>Main Case</b>	50 mm (2") - 200 mm (8") constructed of epoxy-coated cast iron, with flanged ends. Bronze register retaining ring and lid are standard.	<b>Test Circle</b>	Large center sweep hand with 100 clearly indicated graduations per minimum registration unit, with each tenth marked.
<b>Measuring Chamber</b>	Meter chamber assembly and turbine are constructed of durable, engineering plastics for extended service life.	<b>Low Flow Detector</b>	Center-mounted indicator with high sensitivity resulting from direct one to one linkage to the measuring element.
<b>Magnetic Drive</b>	A reliable, direct magnetic drive provides linkage between measurement element and register. No intermediate gearing is required; no gearing is exposed to water.		

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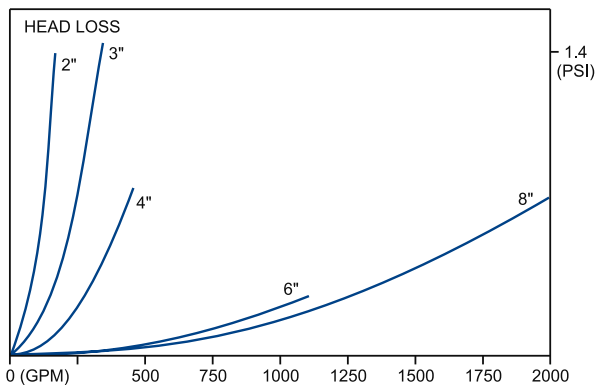
### TECHNICAL DATA - US UNITS

Characteristic	Unit of measurement	2"	3"	4"	6"	8"
Operating Range (100% @ ± 1.5%)	U.S. gpm	4.4 - 175	6 - 330	9 - 440	35 - 1150	37 - 2000
Low Flow	U.S. gpm	2.5	4.5	7.0	19	30
Maximum Intermittent Flow	U.S. gpm	285	485	880	1800	3200
Maximum Working Pressure	psi	175	175	175	175	175
Maximum Working Temperature	°F	120	120	120	120	120
Length	in	7.9	9.1	9.9	11.7	13.7
Width	in	6.5	7.9	8.6	11.1	13.4
Height	in	8.5	9.2	9.9	12.3	13.5
Height, bottom to center line	in	2.8	3.6	4.3	5.4	6.6
Weight	lb	27	35	43	78	105
Maincase Material	-	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron
Flanges/End Connections	-	Round	Round	Round	Round	Round

### TECHNICAL DATA - INTERNATIONAL UNITS

Characteristic	Unit of measurement	50 mm	75 mm	100 mm	150 mm	200 mm
Operating Range (100% @ ± 1.5%)	m <sup>3</sup> /h	1 - 40	1.4 - 75	2 - 100	8 - 261	8.4 - 454
Low Flow	m <sup>3</sup> /h	0.57	1.02	1.59	4.32	6.81
Maximum Intermittent Flow	m <sup>3</sup> /h	65	110	200	409	727
Maximum Working Pressure	kPa	1207	1207	1207	1207	1207
Maximum Working Temperature	°C	49	49	49	49	49
Length	mm	201	231	251	297	348
Width	mm	165	201	218	282	340
Height	mm	216	234	251	312	343
Height, bottom to center line	mm	71	91	109	137	168
Weight	kg	12.2	15.9	19.5	35.4	47.6
Maincase Material	-	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron
Flanges/End Connections	-	Round	Round	Round	Round	Round

Head Loss Curves



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