

WM Series Epoxy Coated Cast Iron Turbine Meters



Description

Operation WM Turbine Meters are horizontal Woltman type water meters designed for installation where occasional low and moderate to high sustained flows are demanded. Water flow drives a vertical impeller in direct proportion to the quantity of water passing through the meter. Impeller revolutions are transferred to the register assembly through a reduction gear and magnetic drive.

Compliance The WM Turbine Meters comply with AWWA C701 and ISO 4064 Class B standards.

Installation The meter must be installed in a clean pipeline, free of any foreign materials. Install the meter with direction of flow as indicated by the arrow cast into the meter body. You can install the meter vertically or horizontally and the registers are fully revolvable for ease of reading. It is recommended to strain the incoming water to prevent foreign debris damage and to reduce the effects of water turbulence.

Application The WM Cold Water Turbine Meters are for use only with cold water up to 120 degrees F (50 degrees C)

Construction The meter consists of a fully epoxy coated cast iron main case with the flow direction cast into it and a removable measuring element for easy maintenance.

Specifications			
Characteristics	3"	4"	6"
Flow Rating (gpm)	495	1250	2500
Continuous Flow (gpm)	375	1000	2000
Low Flow (gpm)	6	9	32
Maximum Pressure (psi)	175	175	175
Maximum Temperature (°F)	120	120	120
Sweep Hand Registers (Gallons)	10/100	10/100	10/100
Register Capacity (Millions of Gallons)	1000	1000	1000

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Direct Read Register The register is contained in a hermetically sealed nylon casing with a 5mm tempered glass lens. The totalizer wheels are large and easy to read and the sweep hands are offset on separate 10 gallon and 100 gallon register wheels. The large black spinning trickle indicator is excellent for leak detection. Each register clearly shows its applicable meter size.



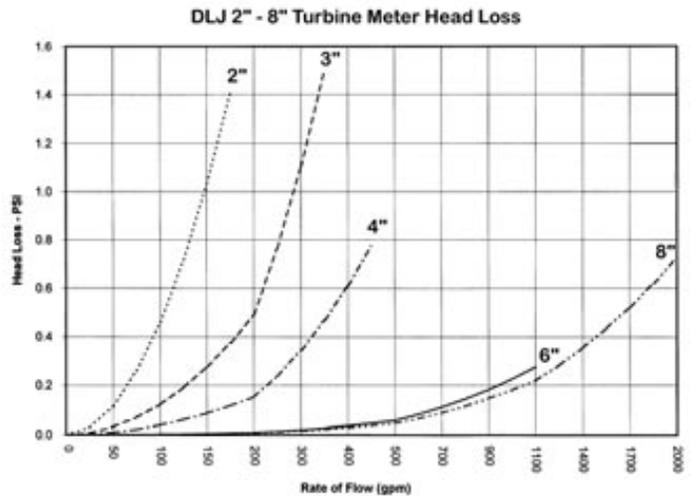
Pulse Output The WM line is available with a dry contact reed switch pulse output. This requires external DC power, 4 watts, 30VDC maximum. Contact closure is 1 pulse per **100** gallons on the 2 - 3" Turbines and 1 pulse per **1000** gallons on the 4 - 8" Turbines



Magnetic Drive The magnetic drive design eliminates all miscouplings associated with conventional right angle drives. Excess torque is eliminated in the encased undergear assembly, ensuring constant magnet coupling.

Maintenance The register/measuring assembly is easily removable and replaceable if needed, and doesn't require taking the meter off line.

Connections The WM Turbine Meters are available with standard Class 150lb ANSI flanges (4 bolt in 2, 2 1/2" and 3", 8 bolt in 4, 6 and 8"). Companion Flange sets in Cast Iron or PVC and Uni-Flanges are available for ease of connection.



Characteristics	Specifications		
	3"	4"	6"
Length (Inches)	8.75	9.75	11.6
Weight (Pounds)	35	40	92
Crated Weight (Pounds)	47	50	110