

FIRE HYDRANT METER

(3" FHM)



DESIGNED AND BUILT FOR THE RUGGED CONSTRUCTION SITE ENVIRONMENT

A lightweight aluminum case, replaceable and lockable handle, stainless steel internal inlet strainer, and unitized measuring chamber simplify handling and maintenance for the Master Meter Fire Hydrant Meter. The 3" FHM boasts high accuracy over broad flow ranges to maximize revenue from construction site or other temporary water use.

FEATURES:

- * Accurate measurement for temporary water use.
- * Lightweight aluminum case.
- * High accuracy over wide range of flow.

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 - 3" constructed of lightweight aluminum, with lockable handle and stainless steel internal inlet strainer. Equipped with 2.5" male NST swivel inlet coupling and 2.5" male NST outlet coupling. 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 gearing is required; no gearing is exposed to water.

Register - Standard direct read. A six-wheel odometer is standard. Registration is available in gallons or cubic feet.

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.

Test Circle - Large center sweep hand with 100 clearly indicated graduations per minimum registration unit, with each tenth marked.

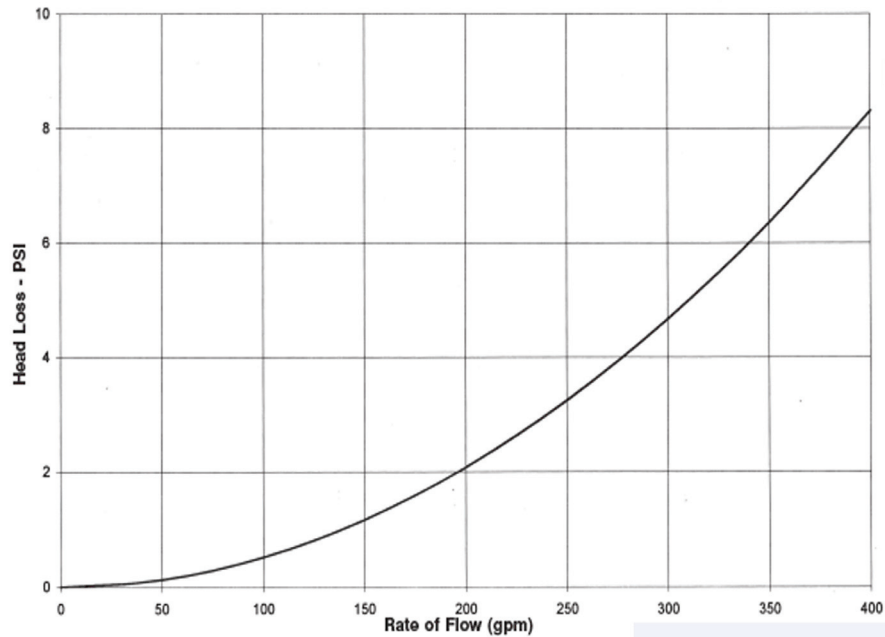
Low Flow Detector - Center-mounted indicator with high sensitivity resulting from direct one to one linkage to the measuring element.



Reading the Future™

METER OPERATING CHARACTERISTIC/DIMENSION	3"
Normal Operating Range ($\pm 1-1/2\%$) (gpm)	5-530
Continuous Operating Range (gpm)	5-400
Low Flow (95%) (gpm)	4
Maximum Intermittent Flow (gpm)	530
Maximum Working Pressure (psi)	175
Maximum Working Temperature ($^{\circ}$ F)	120
Length	17.3"
Height	10.1" to top of handle
Height, bottom to center line	2.6"
Width	6.4"
Weight (lbs)	20
Packed per Carton	1
Carton Weight (lbs)	22
Register Capacity (millions) - U.S. Gallons	100
Register Capacity (millions) - Cubic Feet	10
Maincase Material	Aluminum
Flanges/End Connections	Inlet: 2-1/2" NST Swivel – Outlet: 2-1/2" Male NST

Head Loss: 3" Fire Hydrant Meter
Performance Curves



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