

Lake Monitors Visi Rate

FOR 1/4" – 1" PIPE SIZES

Economical way to monitor municipal-pressure water flows, observe case drain flows and verify pump outputs.

UNRESTRICTED MOUNTING

Allows the designer to install the monitor in any orientation — horizontal, vertical or inverted. Two scale positions available for scale reading ease.

COMPACT AND RUGGED DESIGN

Measures less than 5-1/2" long and 2" diameter with a tough polysulphone body of construction.

VISUAL INSPECTION OF FLUID

The transparent body allows for visual inspection of fluid conditions. Diagnose problems at a glance.

PATENTED SENSING METHOD ASSURES ACCURACY

The Helical-Torque sensing method assures accuracy of $\pm 5\%$ of range, even with variable fluid parameters.

SUPERIOR READABILITY

Extra long 3-1/2" scale, provides excellent flow rate measuring resolution along with dual units of GPM and LPM.

14 PORT SIZES AVAILABLE

Standard selection of NPT, SAE and BSP ports reduces the amount of adapters required for installation.

LOW COST PRECISION

Measuring accuracy of $\pm 5\%$ of range and repeatability of $\pm 1\%$.



ENGINEERING SPECIFICATION

THE VISI-RATE METER SHALL:

- Use the mass axial turbine rotation to measure flow rate.
- Not require inlet or outlet straight plumbing, or require vertical pipe mounting.
- Have a measuring accuracy of $\pm 5\%$ of full scale with $\pm 1\%$ repeatability.
- Use the helical-torque sensing method to measure flow.
- Be Lake Monitors No. VRB - _ _ - _ _ for flow measuring or for a flow indicator be a VRI - _ _ _

MATERIALS OF CONSTRUCTION (WETTED COMPONENTS)

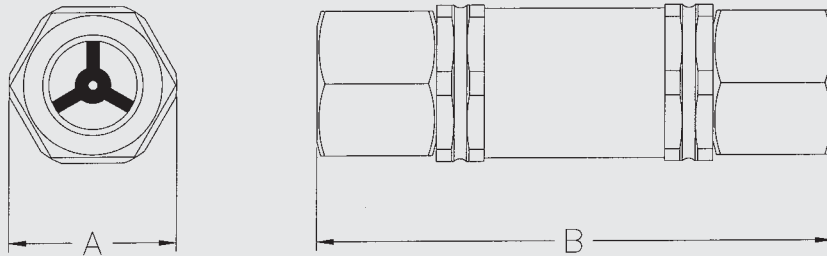
	BRASS	STAINLESS STEEL
End Ports	Brass	Stainless Steel
Seals	Buna-N	Viton®
Spring (VRB Series)	Stainless Steel	Stainless Steel
Turbine and Casing	Polysulphone	Polysulphone

Viton is a registered trademark of Dow DuPont Elastomers

PERFORMANCE

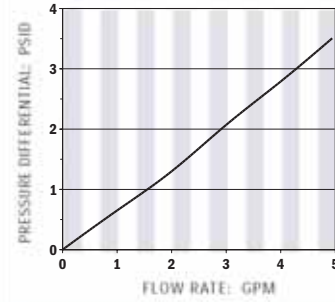
Measuring Accuracy:	±5% of full-scale
Repeatability:	±1 % of full-scale
Flow Measuring Range (VRB flow meters):	1-30 GPM [5-110 LPM]
Minimum flow detection (VRI flow meters):	0.2 GPM [0.8 LPM]
Maximum operating temperature:	250°F [121°C]
Maximum operating pressure:	200 PSIG [14 bar]
Pressure Differential:	See graphs
Filtration requirements:	37 Micron (400 U.S. mesh) minimum

MECHANICAL

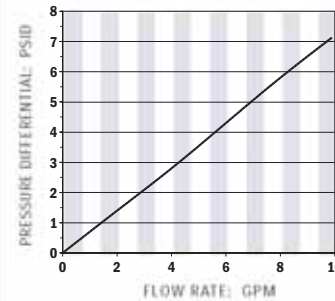


DIM	1/4" - 1/2" SIZES	3/4" - 1" SIZES
A	1-3/4" (45mm)	1-3/4" 45mm)
B	3-1/2" (89mm)	5-3/8" (137mm)
Port Sizes	NPTF: 1/4", 3/8," 1/2"	NPTF: 3/4", 1"
	SAE: #6, #8, #10	SAE: #12, #16
	BSPP: 3/8", 1/2"	BSPP: 3/4", 1"

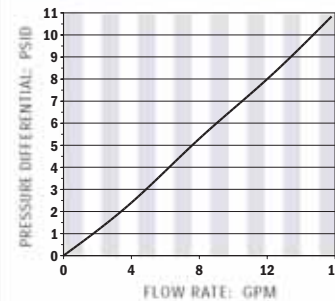
-05 FLOW METERS



-10 FLOW METERS



-15 FLOW METERS



-30 FLOW METERS

