

Lake Monitors

ClearView™ VALUE FLOW METER

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

FOR 1/2" – 1" PIPE SIZES

STYLE CV

For media compatibility, select from:

ClearView™ H₂O
VALUE FLOW METER

Polycarbonate body (ClearView H₂O) or

ClearView™ +
VALUE FLOW METER

Polysulphone body (ClearView+).

UNRESTRICTED MOUNTING

Allows for horizontal, vertical or inverted installation of the meter.

COMPACT AND RUGGED DESIGN

Measures less than 8-1/4" long and 2-7/16" diameter with a rigid tube and union nut design.

VISUAL INSPECTION OF FLUID

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

MULTIPLE MATERIALS AND CALIBRATIONS AVAILABLE

With a variety of wetted materials of construction and media calibrations, the ClearView™ will be well suited to your process.

SENSING METHOD ASSURES ACCURACY

The proven variable-area piston metering assembly provides accurate, dependable flow rate indication.

SUPERIOR READABILITY

High contrast scale/indicator provides easy-to-read flow rate measuring resolution along with dual units of GPM and LPM.

MULTIPLE PORTING OPTIONS AVAILABLE

ClearView end ports are available in a variety of materials, sizes, and threading options to simplify installation.

LOW COST PRECISION

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



ENGINEERING SPECIFICATION

THE CLEARVIEW FLOW METER SHALL:

- Use the variable area piston metering method 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.
- Be Lake Monitors No. CV - _ - _ - _

ClearView Flow Meter

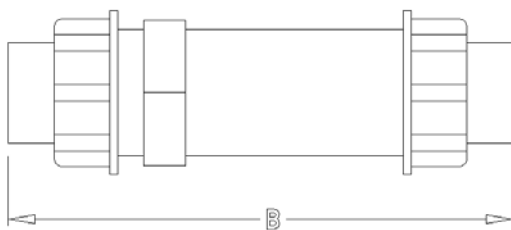
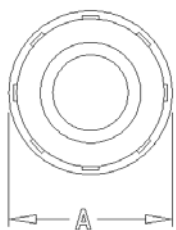
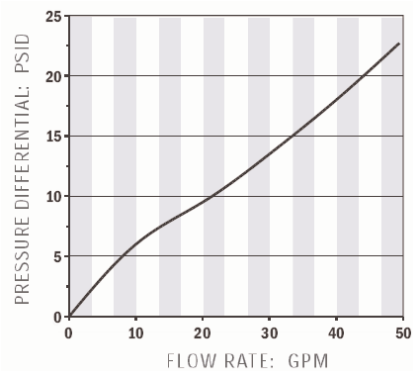
MATERIALS OF CONSTRUCTION (WETTED COMPONENTS)

	ClearView H ₂ O	ClearView +
End Ports	Brass, Polysulphone	Brass, Polysulphone
Seals	Buna-N	Buna-N
Spring	Stainless Steel	Stainless Steel
Body	Polycarbonate	Polysulphone
Indicator	Polysulphone	Polysulphone

PERFORMANCE

Measuring Accuracy:	±5% of full-scale	
Repeatability:	±1% of full-scale	
Flow Measuring Range:	1–30 GPM (5-110 LPM)	
Turn Down Ratio (All Ranges):	10:1	
Maximum operating pressure:	325 PSIG (22.4 Bar)	
Maximum operating temperature:	ClearView H ₂ O	200°F (93°C)
	ClearView+	250°F (121°C)
Pressure Differential:	See graph on right	
Filtration requirements:	74 Micron (200 U.S. mesh) minimum	

TYPICAL PRESSURE DIFFERENTIALS



MECHANICAL SIZE CODE

DIM	1/2" Female	3/4" Female	1" Female
A	2-7/16" (62mm)	2-7/16" (62mm)	2-7/16" (62mm)
B	7-5/32" (182mm)	7-9/16" (192mm)	7-9/16" (192mm)
Port Type	NPTF, BSPP	NPTF, BSPP	NPTF, BSPP



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