



ULTRA-VIEW™ POLYSULFONE FLOWMETERS

Monitor Water Flow Rates from .25 to 40 GPM, Air Rates from 1 to 100 SCFM



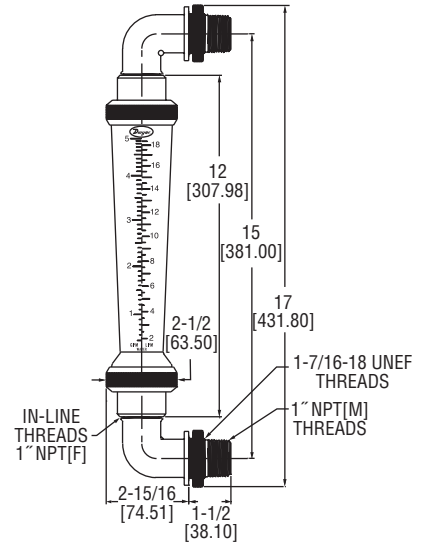
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Shown with optional Polysulfone Fittings



Shown with optional Polycarbonate Shield



Shown with optional Polysulfone Fittings

Setting a new standard in the industry, the **SERIES UV** Polysulfone Flowmeter is an ultra pure, laboratory grade flowmeter ($\pm 2\%$ FS accuracy) that measures flow in GPM and LPM of water, air and other compatible media. The Series UV is designed to withstand high temperatures up to 212°F (100°C) and high pressures up to 150 psi (10.34 bar). Highly corrosion-resistant, this instrument is an excellent choice for monitoring many corrosive media. Easy to install and to clean, the Series UV offers optional panel mount polysulfone fittings and a protective polycarbonate shield.

APPLICATIONS

- Monitor chill water flow
- Reverse osmosis systems
- Deionized water systems
- Potable water systems

SPECIFICATIONS

Service: Compatible liquids and gases.
Wetted Materials: Polysulfone body and fittings, fluoroelastomer O-rings and virgin PTFE float.
Temperature Limits: 35 to 212°F (2 to 100°C); 35 to 130°F (2 to 54°C) for PVC fitting option.
Pressure Limit: 150 psi (10.34 bar).
Accuracy: $\pm 2\%$ FS @ 70°F $\pm 2^\circ\text{F}$ (21.1°C) and 14.7 psia (in line connection rating only).
Repeatability: $\pm 1\%$ FS @ 70°F $\pm 2^\circ\text{F}$ (21.1°C) and 14.7 psia (in line connection rating only).
Process Connections: 1" female NPT. Optional 90° polysulfone elbow – 1" male NPT.
Scale Length: 6" (152.40 mm) – 7" (177.80 mm), depending on model.
Fitting Torque: Maximum 22 ft - lb.
Weight: 1 lb (457 g) for 20 GPM range.
CAUTION: Ball valves can have a "water cannon" effect on opening, creating pressure that exceeds the warranty ratings will damage the flowmeter. Series UV Flowmeters are for indoor use only or areas without direct sunlight. Polysulfone is adversely affected by ultraviolet light.

MODEL CHART			
Model	Range (GPM water)	Model	Range (SCFM air)
UV-0112	0.25 to 2.5 (1 to 9.5 LPM)	UV-A112	1 to 13 (30 to 370 LPM)
UV-1112	0.5 to 5.0 (2 to 19 LPM)	UV-B112	2.5 to 28 (70 to 780 LPM)
UV-2112	1.0 to 10.0 (4 to 38 LPM)	UV-C112	5 to 50 (70 to 1400 LPM)
UV-3112	2.0 to 20.0 (8 to 76 LPM)	UV-D112	14 to 100 (400 to 2800 LPM)
UV-4112	3.0 to 30.0 (12 to 112 LPM)		
UV-5112	4.0 to 40.0 (20 to 150 LPM)		

Note: For PVC 1" female NPT fittings, change 12 to 22.

ACCESSORIES	
Model	Description
A-801	Panel mount kit, polysulfone fittings
A-162	In-line fitting replacement kit. Two 1" female NPT connection fittings included in kit

OPTIONS	
To order add suffix:	Description
-SHD	Protective polycarbonate shield
-NIST	NIST traceable calibration certificate