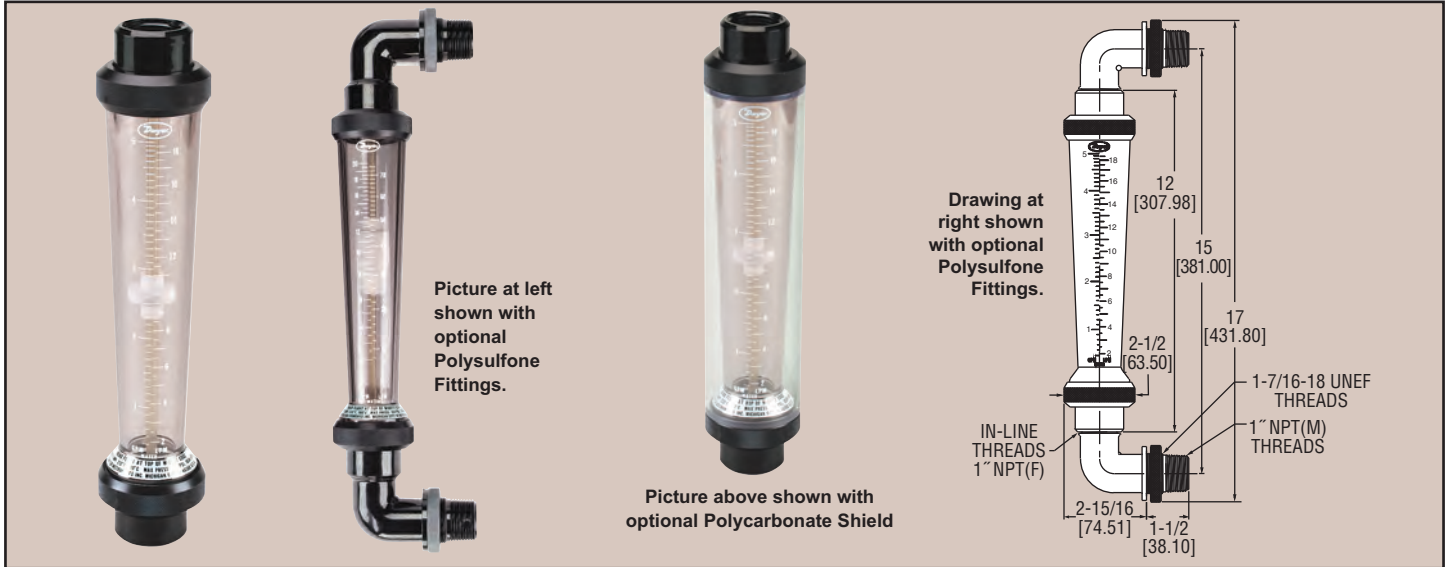




Series
UV

Ultra-View™ Polysulfone Flowmeter

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



Setting a new standard in the industry, the **Series UV Polysulfone Flowmeter** is an ultra pure, laboratory grade flowmeter ($\pm 2\%$ F.S. 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

ACCESSORIES

A-801, Panel Mount Kit, Polysulfone Fittings

A-162, In-line Fitting Replacement Kit. Two 1" female NPT connection fittings included in kit.

OPTIONS

UV-XXXX-SHD, Protective Polycarbonate Shield

UV-XX22, PVC 1" female NPT Fittings

UV-XXXX-CDS, Certified Data Sheet with Traceability to NIST

SPECIFICATIONS

Service: Compatible liquids and gases.

Wetted Materials: Polysulfone body, 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: $\pm 2\%$ full scale @ 70°F $\pm 2^\circ\text{F}$ (21.1°C) and 14.7 psia (in line connection rating only).

Repeatability: $\pm 1\%$ full scale @ 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 warranted ratings and 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	Range (GPM water)	Body	Fitting Material	Float
UV-0112	0.25-2.5 (1-9.5 LPM)	Polysulfone	Polysulfone	Virgin PTFE
UV-1112	0.5-5.0 (2-19 LPM)	Polysulfone	Polysulfone	Virgin PTFE
UV-2112	1.0-10.0 (4-38 LPM)	Polysulfone	Polysulfone	Virgin PTFE
UV-3112	2.0-20.0 (8-76 LPM)	Polysulfone	Polysulfone	Virgin PTFE
UV-4112	3.0-30.0 (12-112 LPM)	Polysulfone	Polysulfone	Virgin PTFE
UV-5112	4.0-40.0 (20-150 LPM)	Polysulfone	Polysulfone	Virgin PTFE

Model	Range (SCFM air)	Body	Fitting Material	Float
UV-A112	1-13 (30-370 LPM)	Polysulfone	Polysulfone	Virgin PTFE
UV-B112	2.5-28 (70-780 LPM)	Polysulfone	Polysulfone	Virgin PTFE
UV-C112	5-50 (70-1400 LPM)	Polysulfone	Polysulfone	Virgin PTFE
UV-D112	14-100 (400-2800 LPM)	Polysulfone	Polysulfone	Virgin PTFE