



Series
UV

Ultra-View™ Polysulfone Flowmeter

Ultra-Pure ±2% F.S. Accuracy, High Temperature, High Pressure

Flow



Setting a new standard in the industry, the **Series UV Polysulfone Flowmeter** is an ultra pure, laboratory grade flowmeter (±2% F.S. accuracy) that measures flow in GPM and LPM of water 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 ultra pure applications such as food processing, reverse osmosis water systems, medical equipment and corrosive media. Easy to install and to clean, the Series UV offers optional panel mount polysulfone fittings and a protective polycarbonate shield.

Accessories

A-801 Panel Mount Kit, Polysulfone Fittings

A-162 In-line Fitting Replacement Kit. Two 1" female NPT connection fittings and two O-rings.

Options

UV-XXXX-SHD Protective Polycarbonate Shield

UV-XX22 PVC 1" female NPT Fittings

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

STOCKED MODELS

Model No.	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
Newest Ranges				
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

SPECIFICATIONS

Service: Compatible liquids.

Wetted Materials: Polysulfone body, Viton® 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: ±2% Full Scale @ 70°F +/-2°F (21.1°C) and 14.7 psia (In line connection rating only).

Repeatability: +/-1% full scale @ 70+/-2°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) – 7" (177.80), 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.

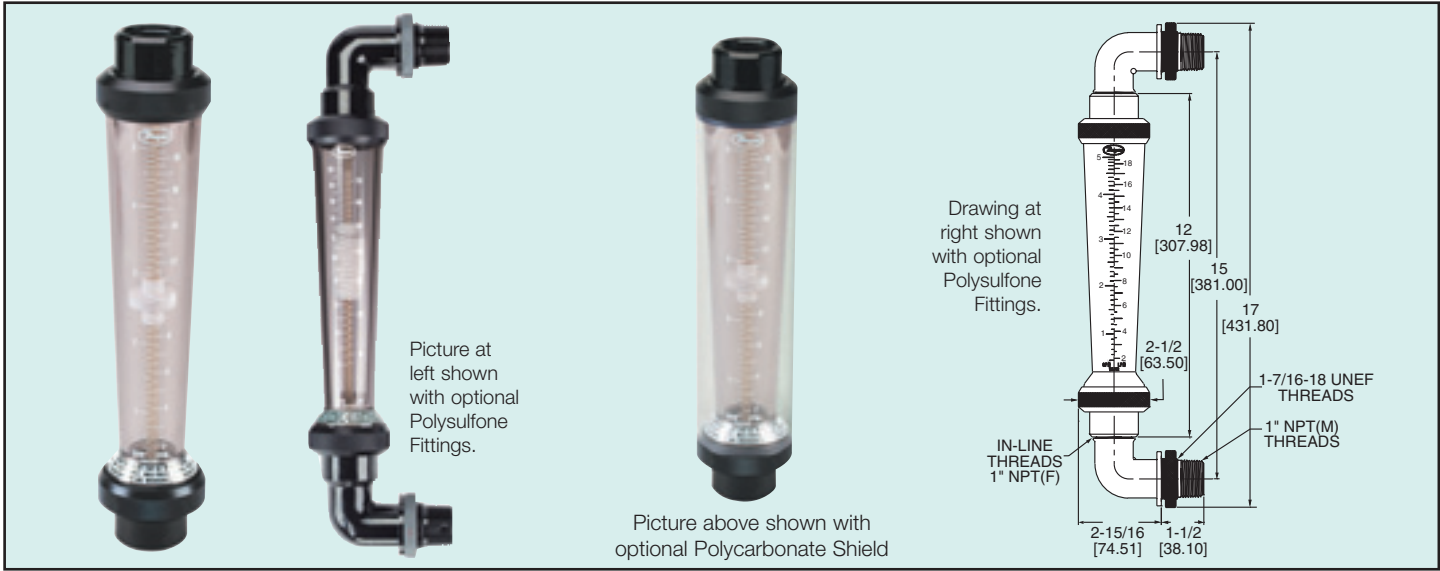


Series
UV

Ultra-View™ Polysulfone Flowmeter

Ultra-Pure, High Temperature, High Pressure, Ranges in Air

FLOW



The Series UV Polysulfone Flowmeter with high accuracy and excellent media compatibility is now available in air flow ranges. Perfect for environmental remediation systems this unit has great durability with its high temperature and pressure ratings. The UV has no metal wetted parts. This feature allows the UV to be used in applications where metal attacking gases are present. The UV is available in ranges from 13 SCFM to 100 SCFM.

Accessories

- A-801** Panel Mount Kit, Polysulfone Fittings
- A-162** In-line Fitting Replacement Kit. Two 1" female NPT connection fittings and two O-rings.

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 gases.
- Wetted Materials:** Polysulfone body, Viton® 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:** ±2% full scale @ 70°F +/-2°F (21.1°C) and 14.7 psia (In line connection rating only) Exception: UV-B112 accuracy +/-4%.
- Repeatability:** +/-1% full scale @ 70+/-2°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) – 7" (177.80), depending on model.
- Fitting Torque:** Maximum 22 ft-lb.
- Weight:** 1 lb (457 g).

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.

STOCKED MODELS

Model No.	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