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, 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, 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:** ±2% full scale @ 70°F ±2°F (21.1°C) and 14.7 psia (in line connection rating only).
- **Repeatability:** ±1% full scale @ 70°F ±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 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.

**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

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**Model** | **Range (GPM water)** | **Body** | **Fitting Material** | **Float**
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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**
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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