



Single-Use PVDF Clamp Flow Sensor

The Equiflow PVDF Clip Mounting Flow Sensor is designed for fast and easy exchange of wetted parts. It utilizes an infrared (IR) turbine rotor reflection mechanism, ensuring accurate and repeatable flow measurements. Constructed from PVDF (polyvinylidene fluoride) material, it can handle a wide range of liquids, including corrosive and aggressive substances. With a screw gap for mounting onto your device or system, the sensor is small in size and adaptable. Additionally, the wetted parts can be gamma sterilized up to 50 kGy.

SPECIFICATIONS	0045	0085
Inner diameter	4.6 mm (0.18")	9.3 mm (0.37")
Linear flow range	0.1-2.0 L/min (0.03-0.53 GPM)	1.0-20.0 L/min (0.26-5.28 GPM)
Minimum flow	0.03 L/min (0.008 GPM)	0.5 L/min (0.13 GPM)
Accuracy	1% of reading	1% of reading
Repeatability	< 0.15%	< 0.15%
Wetted materials	PVDF, Ruby	PVDF, Ruby
Process connection	7 mm hose barb or 1/8" NPT	12 mm hose barb or 13 mm hose barb
Recommended tubing size for hose barb	6 mm (1/4") ID	9 mm (3/8") ID or 12.5 mm (1/2") ID
Liquid temperature	-20°C to 80°C (-4°F to 176°F)	-20°C to 80°C (-4°F to 176°F)
Max. pressure at 20°C (68°F)	25 Bar (362 psi)	20 Bar (290 psi)
Viscosity	0.8-10 cP	0.8-10 cP
Approx. K-factor (P = pulses)	100,000 P/L (377,000 P/G)	4,800 P/L (18,000 P/G)
Power supply	5-24 Vdc	5-24 Vdc
Output signal	5-24 V SQW	5-24 V SQW
Power consumption	34 mA at 5 V	34 mA at 5 V
Default cable	PVC 1m (39.37")	PVC 1m (39.37")

All data are derived from tests conducted under ideal laboratory conditions using water. Specifications may vary depending on local process conditions.

Features & Benefits

- Smallest available housing with screw gap
- PVDF models are gamma stable up to 50 kGy
- Reduce down-time and prevent cross-contamination
- Various validation documents available (including US Pharmacopeia Class VI)
- High resolution square wave output
- Measuring with revolutionary infrared turbine rotor reflection
- Suitable for opaque liquids
- Tubes can be sterilized up to 150°C (302°F)

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