



Single-Use PVDF Clip Mounting 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. This floating version can easily fit your tubing sizes. 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

- Infrared (IR) turbine rotor reflection results in accurate and repeatable flow measurements
- USP Class VI PVDF material can be gamma sterilized up to 50 kGy
- Each sensor is pre-calibrated to reach <1% accuracy
- High resolution square wave output
- Floating version to easily fit your tubing sizes
- Tubes can be sterilized up to 150°C (302 °F)
- Reduce down-time and prevent cross-contamination

Saint-Gobain Life Sciences Global Manufacturing Facilities



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