



Single-Use PFA Clamp Flow Sensor

The Equiflow PFA Clamp Flow Meter is designed for easy and fast exchange of wetted parts. It utilizes an infrared (IR) turbine rotor reflection mechanism, ensuring precise and consistent flow readings. Constructed from PFA (perfluoroalkoxy) 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 sterilized up to 150°C.

SPECIFICATIONS	0045	0085
Inner diameter	4.6 mm (0.18")	9.1 mm (0.36")
Linear flow range	0.1-1.8 L/min (0.03-0.53 GPM)	1.0-20.0 L/min (0.26-5.28 GPM)
Minimum flow	0.06 L/min (0.02 GPM)	0.5 L/min (0.13 GPM)
Accuracy	1% of reading	1% of reading
Repeatability	< 0.15%	< 0.15%
Wetted materials	PFA, Ruby	PFA, Ruby
Process connection	7 mm hose barb or 1/8" NPT	12 mm hose barb or 1/4" NPT
Recommended tubing size for hose barb	6 mm (1/4") ID	9 mm (3/8") 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)	20 Bar (290 psi)	15 Bar (217 psi)
Viscosity	0.8-10 cP	0.8-10 cP
Approx. K-factor (P = pulses)	115,000 P/L (433,000 P/G)	5,300 P/L (19,000 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 1 m (39.37")	PVC 1 m (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
- Each sensor is pre-calibrated to reach <1% accuracy
- High chemical and corrosive resistance
- High resolution square wave output
- Small housing with screw gap to mount on to your device or system
- Tubes can be sterilized up to 150°C (302°F)

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