Saint-Gobain Life Sciences
Sensor Solutions

EQUFLOW® SENSORS

Stainless Steel Flow Sensor

The Equflow Stainless Steel Flow Meter is designed for a wide range of applications, including neutral, corrosive, aqueous, and opaque liquids, even fuel. Its ultra-lightweight turbine rotor accurately follows flow fluctuations and generates a high-resolution infrared reflected digital output signal.

SPECIFICATIONS	0045	0085	0125	0250
Inner diameter in mm	4.6 mm (0.18")	9.3 mm (0.37")	14.0 mm (0.55")	25.4 mm (1")
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)	3.0 – 40.0 L/min (0.79 – 10.57 GPM)	10.0 – 200.0 L/min (2.64 – 52.83 GPM)
Minimum flow	0.03 L/min (0.008 GPM)	0.5 L/min (0.13 GPM)	1.5 L/min (0.40 GPM)	3.0 L/min (0.79 GPM)
Accuracy	1% of reading	1% of reading	1% of reading	5% of reading
Repeatability	< 0.15%	< 0.15%	< 0.15%	< 0.15%
Wetted parts	SS316L, PVDF, Ruby	SS316L, PVDF, Ruby	SS316L, PFA, Ruby	SS316L, PVDF, Ruby
O-ring seals	Viton or EPDM	Viton or EPDM	Viton or EPDM	Viton or EPDM
Process connection	¼" BSP/NPT or ¾" Tri-Clamp	⅜" BSP/NPT or ½" BSP or ¾" Tri-Clamp	½" BSP/NPT or 1" Tri-Clamp	1" BSP
Liquid temperature	-20°C to 80°C (-4°F to 176°F)	-20°C to 80°C (-4°F to 176°F)	-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)	20 Bar (290 psi)	20 Bar (290 psi)	20 Bar (290 psi)
Viscosity	0.8 – 10 cP	0.8 – 10 cP	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)	2,000 P/L (7,500 P/G)	250 P/L (940 P/G)
Power Supply	5 - 24 Vdc	5 - 24 Vdc	5 - 24 Vdc	5 - 24 Vdc
Output signal	5 - 24 V SQW	5 - 24 V SQW	5 - 24 V SQW	5 - 24 V SQW
Power consumption	34 mA at 5 V	34 mA at 5 V	34 mA at 5 V	34 mA at 5 V
Default cable	PVC 1 meter (39.37")	PVC 1 meter (39.37")	PVC 1 meter (39.37")	PVC 1 meter (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
- High chemical resistance
- High resolution square wave output
- Wetted parts of PVDF or PFA, SS316L, ruby bearing, and FPM (Viton®) sealing
- Sanitary Tri-Clamp process connectors available

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