



Fixed PFA Turbine flow meter

The PFA flow sensor of Equiflow has low flow sensing capabilities in a wide range of applications and is suitable for clear, opaque, neutral, corrosive and aggressive liquids including fuel. An ultra light-weight turbine rotor follows the fluctuation of flow very accurately and generates a high resolution IR reflected digital output signal. In either flow controlled or monitoring applications, the PFA flow sensor can measure flow rates and totalize.

Patent US5388466

Model	0045	0085	0125
Inner diameter in mm	4,5	8,5	12,5
Flow range	0,06 - 2 L/min	0,5 - 20 L/min	1,5 - 40 L/min
Accuracy	1% of reading	1% of reading	1% of reading
Repeatability	< 0,15 %	< 0,15 %	< 0,15 %
Wetted parts	PFA / Ruby	PFA / Ruby	PFA / Ruby
Tube connection thread/hose barb	1/8" NPT / 7 mm	1/4" NPT / 12 mm	1/2" BSP
Tube length in mm	52	60	72
Liquid temperature in °C	-20 tot +80	-20 tot +80	-20 tot +80
Max. pressure at 20° C in MPa	2 (20 Bar)	1,5 (15 Bar)	1 (10 Bar)
Viscosity in cSt.	0,8 - 10	0,8 - 10	0,8 - 10
Resolution in microL/pulse	9	164	500
K factor (water) in pulse/Litre	110.000	6.100	2.000
Power supply	5 - 30 Vdc	5 - 30 Vdc	5 - 30 Vdc
Output signal	5 - 30 V sq. wave	5 - 30 V sq. wave	5 - 30 V sq. wave
Power consumption	34 mA at 5 V	34 mA at 5 V	34 mA at 5 V
Electrical cable length	PVC 1 meter	PVC 1 meter	PVC 1 meter
Other Specs on request			

Characteristics:

- Turbine flow sensor with high resolution output
- Flow Measuring with revolutionary IR turbine rotor reflection
- PFA / Teflon for high chemical and corrosive resistance
- High accuracy and repeatability ("Swiss made")
- Suitable for opaque liquids
- PFA meets all the requirements of the US Pharmacopeia Class VI
- BSE/TSE certificate available
- All wetted parts are made of Teflon® PFA with ruby bearing

Options:

Programmable K-factor
Flow Alarm level
Batch function with preset

Subject to change without notice 01.2012