



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

Characteristics:

Turbine flowsensor with high resolution output
 Flow Measuring by revolutionary IR turbine rotor reflection
 PFA / Teflon for high chemical and corrosive resistance
 High accuracy and repeatability ("swiss made")
 Suitable for opaque liquids
 PFA meet 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

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/hosebarb	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/puls	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			

Subject to change without notice 10.2011