PFA Turbine flow meter

This PFA flow sensor of Equflow 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-weight turbine rotor follows the fluctuation of flow. Very accurately and generates a high resolution IR reflected output signal.
In either flow controlled or monitoring applications, the PFA sensor can measure flow rates and totalize.

Characteristics:

- Turbine flow sensor with high resolution output
- Flow Measuring by revolutionary IR turbine rotor reflection
- PFA / Teflon for high chemical and corrosive resistance
- High accuracy and repeatability
- Suitable for opaque liquids
- PFA meets all the requirements of the US Pharmacopeia Class VI
- BSE/TSE certificate available
- Tube can be sterilized up to 180º

All wetted parts are made of Teflon® / PFA with ruby bearing

Patent US5388466

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	0.1 - 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	⅛“ NPT / 7mm hose barb	¼“ NPT / 12mm hose barb	½“ BSP
Tube length in mm	52	60	72
Liquid temperature in °C	-20 to +80	-20 to +80	-20 to +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
K factor (water) in pulse/Liter	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	1 meter	1 meter	1 meter

Note:
All data based on water and under ideal laboratory test conditions.
The specification can vary among the different local process conditions.

PFA = Teflon® is a trademark of DuPont

Other Specs on request

Subject to change without notice 02-2014

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