



PVDF Turbine Flow meter

The PVDF flow sensor of Equiflow has low flow sensing capabilities with an outstanding performance in a wide range of applications, with neutral- corrosive- aqueous- and opaque liquids including fuel. An ultra light-weight turbine rotor, follows the fluctuation of the flow very accurate and generates a high resolution IR-reflected digital output signal.

In either flow controlled or monitoring applications, this flow sensor can measure flow rates and totalize.

Characteristics:

- PVDF Turbine flowsensor with high resolution output
- Measuring by revolutionary IR Turbine reflection
- PVDF parts for high corrosive resistance
- Outstanding performance
- High accuracy and repeatability ("swiss made")
- Also suitable for opaque liquids

All wetted parts are standard made of PVDF parts with ruby bearing and FPM (Viton®) sealing.



Patent US5388466

Options:

Programmable K-factor
Flow alarm level
Batch function with preset

Type	0045	0085
Inner diameter in mm	4,5	8,5
Flow range	0,06 - 2 L/min	0,5 - 20 L/min
Accuracy	1% of reading	1% of reading
Repeatability	< 0,15 %	< 0,15 %
Wetted Materials	PVDF/Ruby	PVDF/Ruby
O- ring Seals	Viton or EPDM	Viton or EPDM
Connections	¼ " BSP	⅜ " BSP
Dimensions incl. housing in mm	L=61,5	L=60
Liquid temperature in °C	-20 tot +80	-20 tot +80
Max. pressure at 20°C in MPa	1,5 (15 Bar)	1,5 (15 Bar)
Viscosity in cSt.	0,8 - 10	0,8 – 10
Resolution in microL/puls	9	164
K- factor (water) in pulse/Litre	90.000	5.5000
Power supply	5 - 30 Vdc	5 - 30 Vdc
Output signal	5 - 30 V square wave	5 - 30 V square wave
Power consumption	34 mA at 5 V	34 mA at 5 V
Electrical cable length	PVC 1 meter	PVC 1meter
Other Specs on request		

Subject to change without notice 10. 2011