



PVDF-X Turbine Flow meter

The PVDF-X flow sensor of Equflow has low flow sensing capabilities in a wide range of applications suitable for neutral, corrosive, aqueous and opaque liquids including fuel.

An ultra-light-weight turbine rotor follows the fluctuation of the flow very accurately and generates a high resolution IR-reflected digital output signal.

In either flow controlled or monitoring applications, the PVDF-X sensor can measure flow rates and totalize.

Characteristics:

- PVDF-X Turbine flow sensor with high resolution output
- Measuring by revolutionary IR Turbine reflection
- Full PVDF parts for high corrosive resistance
- Outstanding performance
- High accuracy and repeatability
- Also suitable for opaque liquids
- Tube can be sterilized up to 100°

All wetted parts are made of PVDF with ruby bearing and Viton or EPDM 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	0.1 - 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	¾" BSP
Dimensions incl. housing in mm	L max 60	L max 62
Liquid temperature in °C	-20 to +80	-20 to +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
K factor in impuls/Ltr	100.000	5500
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	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