



Stainless Steel Turbine flow meter

The SS flow sensor of Equiflow has low flow sensing capabilities in a wide range of applications suitable for neutral, corrosive, aqueous and opaque liquids including fuel. Outstanding performance in high pressure applications. 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 SS flow sensor can measure flow rates and totalize.

Characteristics:

- SS Turbine flowsensor with high resolution output
- Measuring by revolutionary IR Turbine reflection
- Stainless Steel - PFA parts for high corrosive resistance
- Outstanding performance for high process pressure
- High accuracy and repeatability
- Also suitable for opaque liquids

All wetted parts are made of SS.316L / PFA with ruby bearing and FPM (Viton®) sealing.



Patent US5388466

Options:

- Programmable K-factor
- Flow alarm level
- Batch function with preset

Type	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 Materials	SS316L / PFA / Ruby	SS316L / PFA / Ruby	SS316L / PFA / Ruby
O- ring Seals	Viton or EPDM	Viton or EPDM	Viton or EPDM
Connections	¼" NPT/BSP - ½" TC	¾" NPT/BSP - ¾" TC	½" NPT/BSP - 1" TC
Dimensions incl. housing in mm	L max 73	L max 74	L max 75
Liquid temperature in °C	-20 to +80	-20 to +80	-20 to +80
Max. pressure at 20° C in MPa	10 (100 Bar)	10 (100 Bar)	10 (100 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 square wave	5 - 30 V square wave	5 - 30 V square 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.

Other Specs on request

Subject to change without notice 02.2014