



**EQUFLOW<sup>®</sup>**  
Sensors

## 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 ("Swiss made")
- 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	0,06 - 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 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 or BSP	⅜ "NPT or BSP	½ "NPT or BSP
Dimensions incl. housing in mm	L=73	L=73	L=75
Liquid temperature in °C	-20 tot +80	-20 tot +80	-20 tot +80
Max. pressure at 20° C in MPa	2,5 (25 Bar)	2,5 (25 Bar)	2,5 (25 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 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	PVC 1 meter	PVC 1meter	PVC 1 meter
Other Specs on request			

Subject to change without notice 10. 2011