



Stainless Steel Turbine Flowmeter

The SS flow sensor of Equiflow has low flow sensing capabilities in a wide range of applications, with neutral- corrosive- aqueous- and opaque liquids including fuel. Outstanding performance in high pressure applications. An ultra light-weight turbine, 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, the SS flowsensor 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.316 / PFA with ruby bearing.

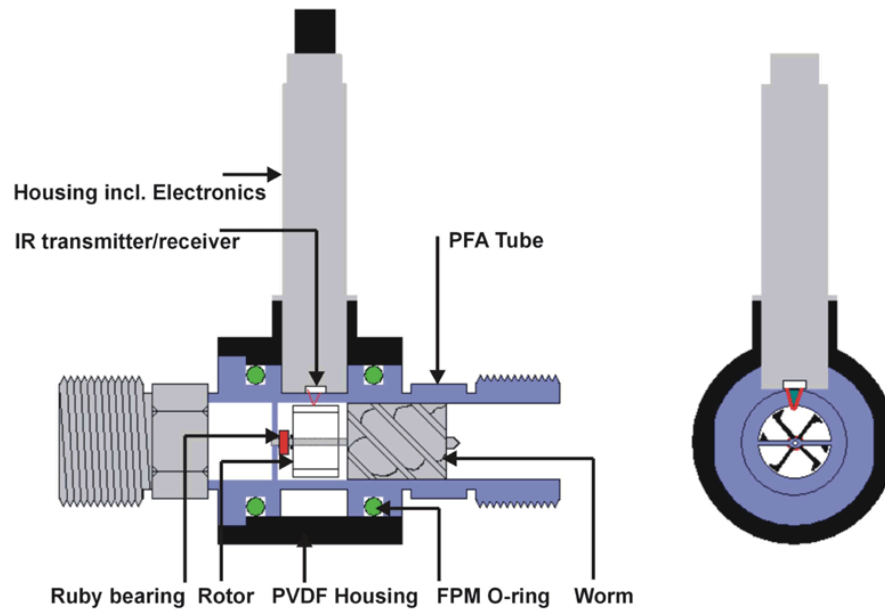
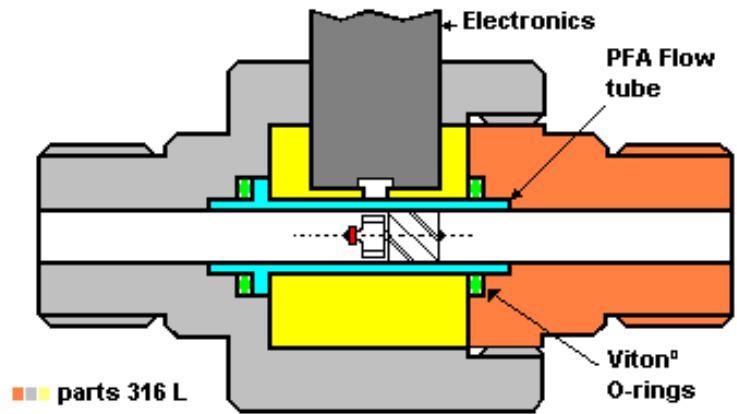


Patent US5388466

Options:

Programmable K-factor
 Flow alarm level
 Batchfunction 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	SS/PFA/Ruby	SS/PFA/Ruby	SS/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=72,6; Ø 40	L=72,3; Ø 40	L=73,6; Ø 45
Liquid temperature in °C	-20 tot +80	-20 tot +80	- 20 tot +80
Max. pressure at 20°C in MPa	20 (200 Bar)	20 (200 Bar)	15 (150 Bar)
Viscosity in cSt.	0,8 - 10	0,8 – 10	0,8 – 10
Resolution in microL/puls	9	158	488
K factor (water) in pulse/Litre	110.000	6.350	2.050
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 lead	PVC 1 meter	PVC 1meter	PVC 1 meter
Other Specs on request			



Working principal:

1. a static worm forces the passing fluid to spin
2. the spinning fluid drives a rotor with reflectors into a frictionless rotation
3. a high resolution infrared sensor determines the rate of flow by counting the passing reflections
4. the set up even allows the flow of opaque liquids to be determined accurately
5. the ultra low mass of the rotor guarantees a quick response to changes in the rate of flow

Products Equflow:



Standard



Disposable



Stainless Steel



Electronics