

Stainless Steel Turbine Flowmeter

The SS flow sensor 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 turbinerotor, 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 standard made of SS.316L / PFA with ruby bearing and FPM (Viton®) sealing.



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	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=72,5; Ø 40	L=72,3; Ø 40	L=73,8; 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	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 lenght	PVC 1 meter	PVC 1meter	PVC 1 meter

Other Specs on request