



When every drop counts..

## Stainless Steel Turbine Flow Sensor

Outstanding performance in various applications

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

### CHARACTERISTICS

- Stainless steel turbine flow sensor with high resolution output
- Measuring by revolutionary infrared turbine reflection
- Stainless steel, PFA, or PVDF 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 and PFA or PVDF with ruby bearing and EPDM (Viton®) sealing

#### Options:

- Programmable K-factor
- Flow alarm level
- Batch function with pre-set



### MODEL

0045

0085

0125

Inner diameter in mm	4.6	8.5	12.5
Linear flow range	0.1 – 2.0 L/min	1.0 – 20.0 L/min	2.5 – 40.0 L/min
Minimum flow	0.03 L/min*	0.5 L/min	1.5 L/min
Accuracy	1% of reading	1% of reading	1% of reading
Repeatability	< 0.15%	< 0.15%	< 0.15%
Wetted parts	SS316L / PFA or PVDF / Ruby	SS316L / PFA or PVDF / Ruby	SS316L / PFA / Ruby
O-ring seals	Viton or EPDM	Viton or EPDM	Viton or EPDM
Connections	¼" BSP/NPT	⅜" BSP/NPT	½" BSP/NPT
Dimensions incl. housing in mm	69	81	72
Liquid temperature in °C	-20 to +80	-20 to +80	-20 to +80
Max. pressure at 20°C in bar	100	100	100
Viscosity in cSt.	0.8 - 10	0.8 - 10	0.8 - 10
Approx. K-factor in pulses/L	100,000	4,800	2,000
Power Supply	5 - 24 Vdc	5 - 24 Vdc	5 - 24 Vdc
Output signal	5 - 24 V square wave	5 - 24 V square wave	5 - 24 V square wave
Power consumption	34 mA at 5 V	34 mA at 5 V	34 mA at 5 V
Default cable	PVC 1 meter	PVC 1 meter	PVC 1 meter

\* Special low flow sensor 0045 available with flow range: 0.02 – 1.0 L/min

#### Note:

All data based on water and under ideal laboratory test conditions.  
The specification can vary among the different local process conditions.

Other specifications on request | Patent US5388466 | Subject to change without notice | V.022019