



When every drop counts..

## Stainless Steel Tri-Clamp Turbine Flowmeter

Outstanding performance in various applications

The Stainless Steel Tri-Clamp Turbine flow sensor 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 Stainless Steel Tri-Clamp Turbine flow sensor can measure flow rates and totalize.

### CHARACTERISTICS

- Stainless Steel Tri-Clamp Turbine flow sensor with high resolution output
- Flow measuring with revolutionary Infra-Red turbine rotor reflection
- Stainless Steel SS 316L – PFA or PVDF 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 or PVDF with ruby bearing and FPM (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
Flow range	0.1 - 2.0 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 parts	SS316L / PVDF / Ruby	SS316L / PVDF / Ruby	SS316L / PVDF / Ruby
O-ring seals	Viton or EPDM	Viton or EPDM	Viton or EPDM
Connections	¾" Tri-Clamp	¾" Tri-Clamp	¾" Tri-Clamp
Dimensions incl. housing in mm	66	78	70
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	120,000	4,800	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
Default cable	PVC 1 meter	PVC 1 meter	PVC 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 specifications on request | Patent US5388466 | Subject to change without notice | V.022018