



When every drop counts..

Disposable Flow Sensor with Clamp System

Designed for an even faster exchange of flow tubes

This new disposable system is mainly developed to perform an even faster exchange of the flow tube in single-use applications (for hygienic reasons e.g. in pharmaceutical and bio-medical industries). Despite the name 'single-use', these devices are also suitable for long-term measurement.

CHARACTERISTICS

- Performs a fast exchange of the flow tubes
- High resolution square wave output
- Measuring with revolutionary IR turbine rotor reflection
- PVDF for high chemical and corrosive resistance
- Suitable for opaque liquids
- PVDF meets all requirements of US Pharmacopeia Class VI
- BSE/TSE certificate available
- PVDF models are Gamma stable up to 50 kGy
- Tube can be sterilized up to 140 °C

Options:

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



MODEL

0045

0085

Inner diameter in mm	4.7	9.3
Linear flow range	0.1 - 2.0 L/min	0.5 - 20 L/min
Minimum flow	0.03 L/min	0.5 L/min
Accuracy	1% of reading	1% of reading
Repeatability	< 0.15%	< 0.15%
Wetted materials	PVDF / Ruby	PVDF / Ruby
Tube connection	7 mm hose barb	12 mm hose barb
Tube length in mm	53	62
Liquid temperature in °C	-20 to +80	-20 to +80
Max. pressure at 20°C in bar	25	20
Viscosity in cSt.	0.8 - 10	0.8 - 10
Approx. K-factor in pulses/L	100,000	4,800
Power supply	5 - 30 Vdc	5 - 30 Vdc
Output signal	5 - 30 V square wave	5 - 30 V square wave
Power consumption	34 mA at 5 V	34 mA at 5 V
Default cable	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.062018