![Equflow Sensors logo]

**EQUFLOW**
**SENSORS**

## Disposable PVDF Flow Sensor with Clip Mounting
Outstanding performance in pharmaceutical, medical, and biotechnological single-use applications

This flow meter has low flow capabilities in a wide range of flow processes and is mainly developed to perform a fast 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 infrared 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

| MODEL | 0045 Low Flow | 0045 | 0085 |
|---|---|---|---|
| Inner diameter in mm | 4.6 | 4.6 | 9.3 |
| Linear flow range | 0.07 – 1.0 L/min | 0.1 – 2.0 L/min | 1.0 – 20.0 L/min |
| Minimum flow | 0.02 L/min | 0.03 L/min | 0.5 L/min |
| Accuracy | 1% of reading | 1% of reading | 1% of reading |
| Repeatability | < 0.15% | < 0.15% | < 0.15% |
| Wetted materials | PVDF / Ruby | PVDF / Ruby | PVDF / Ruby |
| Tube connection | 7 mm hose barb / ⅛" NPT | 7 mm hose barb / ⅛" NPT | 12 mm hose barb |
| Tube length in mm | 53 | 53 | 62 |
| Liquid temperature in °C | -20 to +80 | -20 to +80 | -20 to +80 |
| Max. pressure at 20°C in bar | 25 | 25 | 20 |
| Viscosity in cSt. | 0.8 - 10 | 0.8 - 10 | 0.8 - 10 |
| Approx. K-factor in pulses/L | 130,000 | 100,000 | 4,800 |
| 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 |

All data based on water and under ideal laboratory test conditions. The specifications can vary among the different local process conditions. Other specifications on request | Patent US5388466 | Subject to change without notice | V1.0-2021

CERTIFIED
LR
ISO 9001

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