EQUFLOW®
SENSORS

Disposable PFA Flow Sensor with Clip Mounting
Outstanding performance in various applications

This model is developed to perform a fast exchange of the flow tube (for hygienic reasons e.g. in pharmaceutical industry). The flowmeter is suitable for clear and opaque, neutral, corrosive and aggressive liquids, fuel and for periodic monitoring. The flow tube is assembled in the flow system. For measurement and calibration the easy-to-remove housing is placed around the tube and measuring can take place.

CHARACTERISTICS

- Turbine flow sensor with high resolution output
- Flow Measuring by revolutionary infrared turbine rotor reflection
- PFA / Teflon for high chemical and corrosive resistance
- High accuracy and repeatability
- Suitable for opaque liquids
- PFA meets all the requirements of the US Pharmacopeia Class VI
- BSE/TSE certificate available
- Tube can be sterilized up to 180 ºC
- All wetted parts are made of PFA with ruby bearing

MODEL	0045	0085	0125
Inner diameter in mm	4.6	9.1	14
Linear flow range	0.1 – 1.8 L/min	1.0 – 20.0 L/min	2.5 – 40.0 L/min
Minimum flow	0.06 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	PFA / Ruby	PFA / Ruby	PFA / Ruby
Tube connection	7 mm hose barb / ⅛" NPT	12.5 mm hose barb / ¼" NPT	½" BSP
Tube length in mm	52	61	72
Liquid temperature in °C	-20 to +80	-20 to +80	-20 to +80
Max. pressure at 20°C in bar	20	15	10
Viscosity in cSt.	0.8 - 10	0.8 - 10	0.8 - 10
Approx. K-factor in pulses/L	120,000	5,500	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

CERTIFIED **LR** ISO 9001

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

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