EQUFLOW®
SENSORS

Disposable Flowmeter 'Clip system'

Outstanding performance in Pharmaceutical- Medical and Bio technological "Single-use" applications

This Disposable Turbine flow meter has low flow capabilities in a wide range of flow processes and is mainly developed to perform a fast exchange of the PVDF- or PFA 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. Flowtubes available in PVDF or PFA materials.

Characteristics:

- Performs a fast exchange of the flow tubes.
- High resolution square wave output
- Flow measuring with revolutionary Infra-Red turbine rotor reflection
- PVDF- or PFA flowcells for high chemical and corrosive resistance
- Also suitable for opaque liquids
- Wetted parts meet 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 140º

Patent US5388466

Options:

- Programmable K-factor
- Flow Alarm level
- Batch function with preset

Model	0045	0085	0125
Inner diameter in mm	4.5	9	12.5
Flow range	0.1 – 2 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	PVDF or PFA / Ruby	PVDF or PFA / Ruby	PFA / Ruby
Tube connection *)	⅛" NPT or 7 mm barb	¼" NPT or 12 mm barb	½" BSP
Tube length in mm	L max 53	L max 62	L max 72
Liquid temperature in °C	-20 to +80	-20 to +80	-20 to +80
Max. pressure at 20°C in MPa	2.5 (25 Bar)	2.0 (20 Bar)	1.0 (10 bar)
Viscosity in cSt.	0.8 - 10	0.8 - 10	0.8 - 10
K factor (water) in pulse/Liter	100.000	6000	2100
Power supply	5-30 Vdc	5-30 Vdc	5-30 Vdc
Output signal	5-30 V sq. wave	5-30 V sq. wave	5-30 V sq. wave
Power consumption	34 mA at 5 V	34 mA at 5 V	34 mA at 5 V
Electrical cable length	1 meter	1 meter	1 meter

*) PVDF models only hose barb connections. PFA 0125 only ½" BSP connection
All data based on water and under ideal laboratory test conditions.
The specification can vary among the different local process conditions.

Other Specs on request

Subject to change without notice 02 - 2014

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