



Disposable Flowmeter - Tube holder system

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

This Flowmeter for disposable PFA- and PVDF Turbine flowtubes 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
- Flow measuring with revolutionary Infra-Red turbine rotor reflection
- PVDF and PFA wetted parts for high chemical resistance
- Also suitable for opaque liquids
- Meet all requirements of US Pharmacopeia Class VI
- BSE/TSE certificate available
- PVDF flowcells Gamma stable up to 50 kGy
- Tube can be sterilized up to 140 °C

Patent US5388466

Options:

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

Model	0045	0085
Inner diameter in mm	4.5	8.5
Flow range	0.1 – 2 L/min	0.5 – 20 L/min
Accuracy	1% of reading	1% of reading
Repeatability	< 0.15 %	< 0.15 %
Wetted parts	PVDF or PFA / Ruby	PVDF or PFA / Ruby
Tube connection *)	1/8" NPT or 7 mm hose barb	1/4" NPT or 12 mm hose barb
Tube length in mm	L max 53	L max 62
Liquid temperature in °C	-20 to +80	-20 to +80
Max. pressure at 20°C in MPa	2.5 (20 Bar)	2.0 (25 Bar)
Viscosity in cSt.	0.8 - 10	0.8 – 10
Approx. K factor (water) pulse/L	110.000	5500
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
Electrical cable length	1 meter	1 meter

*) PVDF models only hose connections.
 - 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