

EQUFLOW**0045/0085/0250 Disposable Flowmeter Tube Holder System**

F.S. ranges of 2, 20 & 120 lpm, Frequency Out, For Use With Equflow Flow Tubes

DESCRIPTION

These flowmeters feature Equflow disposable PVDF turbine flow sensors. They have low flow capabilities useful in a wide range of flow processes.

The idea is to enable fast exchange of the flow sensor in single-use applications. Typical applications are found in clinical, analytical, bio-tech and pharmaceutical chemistry equipment, where frequent tube changes are necessary to avoid contamination of the process.

Despite the term "disposable", these devices are also suitable for long-term measurement. Options include alarm, programmable K-factor and batch functions.

Features

- Performs a fast exchange of the flow tubes.
- High resolution square wave output
- Flow measuring with revolutionary Infra-Red turbine rotor reflection
- PVDF 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

**SPECIFICATIONS**

Patent US5388466

GENERAL

Model	0045	0085	025
Inner diameter in mm	4.5	8.5	25.4
Flow range	0.1 - 2 L/min	0.5 - 20 L/min	5.0-120 L/min
Accuracy	1% of reading	1% of reading	1% of reading
Repeatability	< 0.15 %	< 0.15 %	< 0.15 %
Wetted parts	PVDF / Ruby	PVDF / Ruby	PVDF / Ruby
Tubeholder Body	PP	PP	PP
Tube connection	7 mm hose barb	12 mm hose barb	32 mm hose barb
Tube length in mm	53	62	90
Liquid temperature in °C	-20 to +80	-20 to +80	-20 to +80
Max. pressure at 20° C in bar	20	25	15
Viscosity in cSt.	0.8 - 10	0.8 - 10	0.8 - 10
K factor (water) in pulse/Liter (nominal)	100,000	4,800	300
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 lead	PVC 1 meter	PVC 1 meter	PVC 1 meter
Recommended Line filter	100 µm	100 µm	100 µm

ORDERING INFORMATION

Model Tube Holder	Description	Model Flow Tubes/Sensor	Description
0045CXP01TA	Tubeholder for 0045 PVDF turbine tube; excluding flow tube	0045.PH.0.00.TX	Package of 10, PVDF Disposable Rotor Tube 0045
0085CXP01TA	Tubeholder for 0085 PVDF turbine tube; excluding flow tube	0085.PH.0.00.TX	Package of 10, PVDF Disposable Rotor Tube 0085
0250CXP01TA	Tubeholder for 025 PVDF turbine tube; excluding tube	0250CXP01TA	Package of 10, PVDF Disposable Rotor Tube 025