

EQUFLOW**Disposable Flowmeter Clamp Holder System**

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

DESCRIPTION

These flowmeters feature Equflow disposable PVDF or PFA 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 or 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

**SPECIFICATIONS**

Patent US5388466

GENERAL

Model	0045	0085
Inner diameter in mm	4.7	9.3
Flow range	0.1 - 2 L/min	0.5 - 20 L/min
Minimum Flow	0.03 L/min	0.5 L/min
Accuracy	1% of reading	1% of reading
Repeatability	< 0.15 %	< 0.15 %
Wetted parts	PVDF or PFA / Ruby	PVDF or PFA / Ruby
Tubeholder Body	PP	PP
Tube connection	7 mm hosebarb, 1/8" NPT	12 mm hose barb, 1/4" NPT
Tube length in mm	53	62
Liquid temperature in °C	-20 to +80	-20 to +80
Max. pressure at 20° C in bar	25	20
Viscosity in cSt.	0.8 - 10	0.8 - 10
K factor (water) in pulse/Liter (nominal)	100,000	4,800
Power supply	5 - 30 Vdc	5 - 30 Vdc
Output signal	5 - 30 V sq. wave	5 - 30 V sq. wave
Power consumption	34 mA at 5 V	34 mA at 5 V
Electrical lead	PVC 1 meter	PVC 1 meter
Recommended Line filter	100 µm	100 µm

ORDERING INFORMATION

<i>Model Tube Holder</i>	Description
0045PHP01LA	PVDF turbine flowsensor 4.5 disposable clamp, 7 mm hosebarb
0045XP01LA	Clamp for 4.5 PVDF turbine flowtube, flowtube not included
0085PHP01LA	PVDF turbine flowsensor 8.5 disposable clamp, 12 mm hosebarb
0085XP01LA	Clamp for 8.5 PVDF turbine flowtube, flowtube not included

<i>Model Tube Holder</i>	Description
0045THP01LA	PFA turbine flowsensor 4.5 disposable clamp, 7 mm hosebarb
0045TNP01LA	PFA turbine flowsensor 4.5 disposable clamp, 1/8" NPT
0045TXP01LA	Clamp for 4.5 PFA turbine flowtube, flowtube not included
0085THP01LA	PFA turbine flowsensor 8.5 disposable clamp, 12 mm hosebarb
0085TNP01LA	PFA turbine flowsensor 8.5 disposable clamp, 1/4" NPT
0085TXP01LA	Clamp for 8.5 PFA turbine flowtube, flowtube not included