

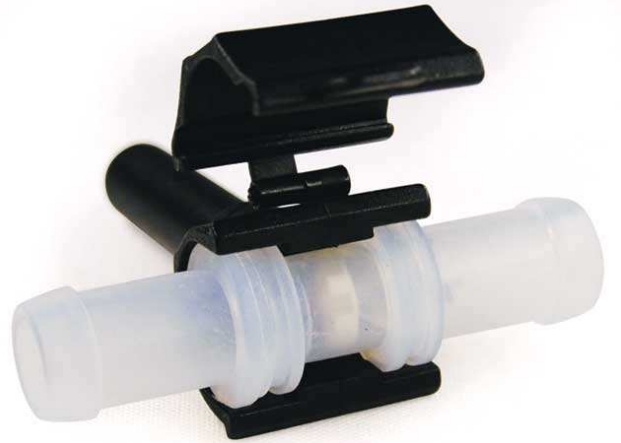


## Disposable PFA Turbine flowmeter

This model is developed to perform a fast exchange of the flow tube (hygienically reason 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 flowsensor with high resolution output,  
Flow Measuring by revolutionary IR turbine reflection.  
PFA / Teflon for high chemical and corrosive resistance  
High accuracy and repeatability ("swiss made")  
Suitable for opaque liquids  
Programmable pulse output  
PFA meet all the requirements of the US Pharmacopeia Class VI  
BSE/TSE certificate available

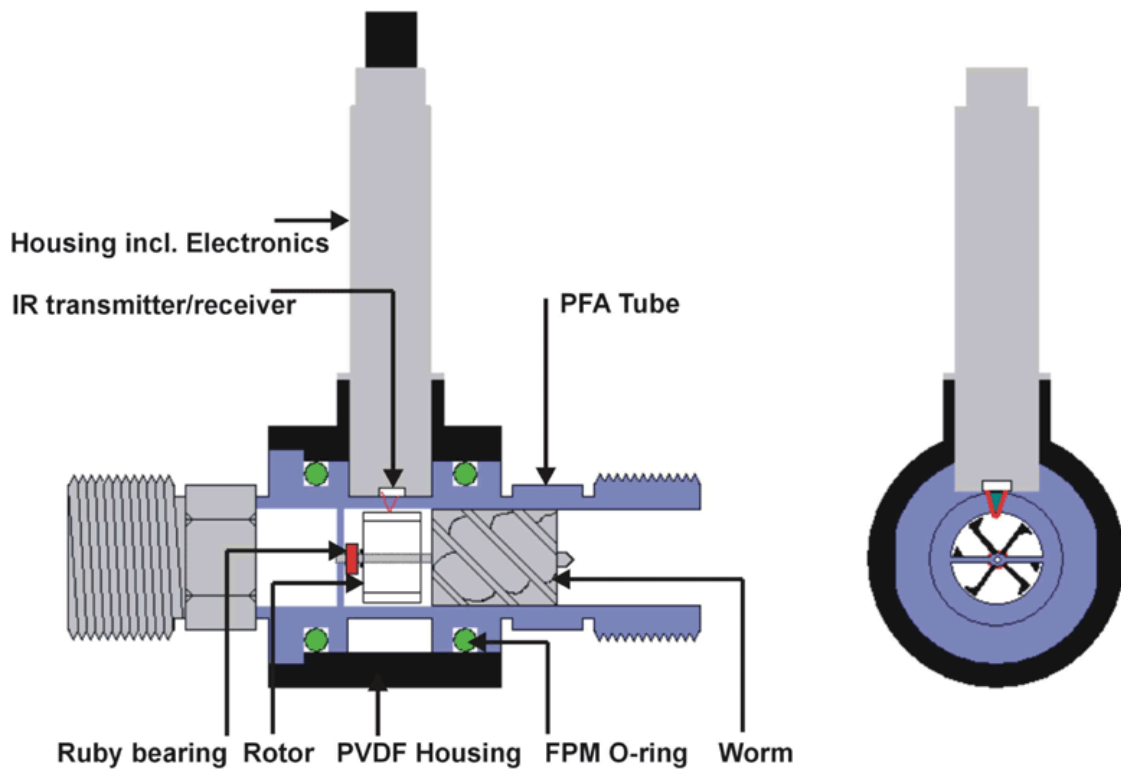
Patent US5388466

### Options:

Programmable K-factor  
Flow Alarm level  
Batchfunction with preset

All wetted parts are made of Teflon®/PFA with ruby bearing.  
The flow tube can be sterilised up to 160° C.

Model	0045	0085
Inner diameter in mm	4,5	8,5
Flow range	0,06 – 2 L/min	0,5 – 20 L/min
Accuracy	1% of reading	1% of reading
Repeatability	< 0,15 %	< 0,15 %
Wetted parts	PFA / Ruby	PFA / Ruby
Tube connection	1/8" NPT or 7 mm hosebarb	1/4" NPT or 12 mm hosebarb
Tube length in mm	L. 52	L. 60
Liquid temperature in °C	-20 tot +80	-20 tot +80
Max. pressure at 20°C in MPa	2 (20 Bar)	1,5 (15 Bar)
Viscosity in cSt.	0,8 - 10	0,8 – 10
K factor (water) in pulse/Litre	110.000	6.350
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 lead	PVC 1 meter	PVC 1 meter
Other Specs on request.		



#### Working principal:

1. a static worm forces the passing fluid to spin
2. the spinning fluid drives a rotor with reflectors into a frictionless rotation
3. a high resolution infrared sensor determines the rate of flow by counting the passing reflections
4. the set up even allows the flow of opaque liquids to be determined accurately
5. the ultra low mass of the rotor guarantees a quick response to changes in the rate of flow

#### Products Equiflow:



Standard



Disposable



Stainless Steel



Electronics