EQUFLOW® SENSORS

When every drop counts

PFA Turbine Flowmeter

Outstanding Performance in Various Applications

This PFA flowmeter of Equflow has low flow sensing capabilities in a wide range of applications and is suitable for clear, opaque, neutral, corrosive, and aggressive liquids including fuel. An ultra lightweight turbine rotor follows the fluctuation of flow very accurately and generates a high resolution infrared reflected output signal. In either flow controlled or monitoring applications, the PFA flowmeter can measure flow rates and totalize.

Model	0045	0085	0125
Inner diameter in mm	4.6	9.1	14.0
Linear flow range	0.1 – 1.8 L/min	1.0 – 20.0 L/min	2.5 – 40.0 L/min
Minimum flow	0.06 L/min	0.5 L/min	1.5 L/min
Accuracy	1% of reading	1% of reading	1% of reading
Repeatability	< 0.15%	< 0.15%	< 0.15%
Wetted parts	PFA / Ruby	PFA / Ruby	PFA / Ruby
Tube connection	7 mm hose barb / ⅛" NPT	12.5 mm hose barb / ¼" NPT	½" BSP
Tube length in mm	52	61	72
Liquid temperature in °C	-20 to +80	-20 to +80	-20 to +80
Max. pressure at 20°C in bar	20	15	10
Viscosity in cSt.	0.8 - 10	0.8 - 10	0.8 - 10
Approx. K-factor in pulses/L	120,000	5,500	2,000
Power Supply	5 - 24 Vdc	5 - 24 Vdc	5 - 24 Vdc
Output signal	5 - 24 V square wave	5 - 24 V square wave	5 - 24 V square wave
Power consumption	34 mA at 5 V	34 mA at 5 V	34 mA at 5 V
Default cable	PVC 1 meter	PVC 1 meter	PVC 1 meter

NOTE: The data and details given in this document are correct and up to date. This document is intended to provide information about the product and possible applications. This document is not the product specification and does not provide specific features, nor does it guarantee product performance in specific applications. Saint-Gobain cannot anticipate or control the conditions of the field and for this reason strongly recommends that practical tests are conducted to ensure that the product meets the requirements of a specific application. Equflow® is a trademark of Saint-Gobain.

Features and Benefits

- PFA material for high chemical and corrosive resistance
- Can be sterilized up to 150°C (302°F)
- High resolution square wave output
- Measuring with revolutionary infrared turbine rotor reflection
- Suitable for opaque liquids
- Various validation documents available

Typical Applications

- Agriculture
- Chemical Dispensing
- Food and Beverage
- Water Treatment

All data based on water and under ideal laboratory test conditions. The specifications can vary among the different local process conditions. Other specifications on request. Patent US5388466 | Subject to change without notice.

CERTIFIED ISO 9001

SAINT-GOBAIN

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