



When every drop counts

# PVDF Turbine Flowmeter

## Outstanding Performance in Various Low Flow Measurement Applications

This flowmeter has low flow capabilities in a wide range of flow processes and is mainly developed to perform an accurate and repeatable flow measurement. Distinguished results in measuring chemicals, fuel, additives, and more. These devices are suitable for long-term measurements without losing accuracy.

Model	0045 Low Flow	0045	0085	0250
Inner diameter in mm	4.6	4.6	9.3	25.4
Linear flow range	0.07 - 1.0 L/min	0.1 - 2.0 L/min	1.0 - 20.0 L/min	5.0 - 200.0 L/min
Minimum flow	0.02 L/min	0.03 L/min	0.5 L/min	3.0 L/min
Accuracy	1% of reading	1% of reading	1% of reading	1% of reading
Repeatability	< 0.15%	< 0.15%	< 0.15%	< 0.15%
Wetted materials	PVDF / Ruby	PVDF / Ruby	PVDF / Ruby	PVDF / Ruby
Tube connection	7 mm hose barb / " NPT	7 mm hose barb / " NPT	12 mm hose barb	32 mm hose barb
Tube length in mm	53	53	62	90
Liquid temperature in °C	-20 to +80	-20 to +80	-20 to +80	-20 to +80
Max. pressure at 20°C in bar	25	25	20	10
Viscosity in cSt.	0.8 - 10	0.8 - 10	0.8 - 10	0.8 - 10
Approx. K-factor in pulses/L	130,000	100,000	4,800	250
Power supply	5 - 24 Vdc	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	5 - 24 V square wave
Power consumption	34 mA at 5 V	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	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. Equiflow® is a registered trademark of Saint-Gobain Performance Plastics Corporation.

### Features and Benefits

- Mechanically strong PVDF material
- 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.



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