



## PFA Fixed Flow Sensor

The Equflow PFA Fixed Flow Meter is an ideal solution for long-term flow measurement needs. It utilizes an infrared (IR) turbine rotor reflection mechanism, ensuring precise and consistent flow readings. Constructed from PFA (perfluoroalkoxy) material, this flow meter can handle a wide range of liquids, including corrosive and aggressive substances. With its small size and easy installation process, the Equflow PFA Fixed Flow Meter adapts seamlessly to various applications. Additionally, it generates a high-resolution square wave output, providing detailed flow data.

| SPECIFICATIONS                        | 0045                             | 0085                              | 0125                                   |
|---------------------------------------|----------------------------------|-----------------------------------|--|
| Inner diameter                        | 4.6 mm (0.18")                   | 9.1 mm (0.36")                    | 14.0 mm (0.55")                        |
| Linear flow range                     | 0.1-1.8 L/min<br>(0.03-0.48 GPM) | 1.0-20.0 L/min<br>(0.26-5.28 GPM) | 3.0 - 40.0 L/min<br>(0.79 - 10.57 GPM) |
| Minimum flow                          | 0.06 L/min (0.016 GPM)           | 0.5 L/min (0.13 GPM)              | 1.5 L/min (0.40 GPM)                   |
| Accuracy                              | 1% of reading                    | 1% of reading                     | 1% of reading                          |
| Repeatability                         | < 0.15%                          | < 0.15%                           | < 0.15%                                |
| Wetted materials                      | PFA, Ruby                        | PFA, Ruby                         | PFA, Ruby                              |
| Process connection                    | 7 mm hose barb or<br>1/8" NPT    | 12 mm hose barb or<br>1/4" NPT    | 1/2" BSP                               |
| Recommended tubing size for hose barb | 6 mm (1/4") ID                   | 9 mm (3/8") ID                    | N/A                                    |
| Liquid temperature                    | -20°C to 80°C<br>(-4°F to 176°F) | -20°C to 80°C<br>(-4°F to 176°F)  | -20°C to 80°C<br>(-4°F to 176°F)       |
| Max. pressure at 20°C<br>(68°F)       | 20 Bar (362 psi)                 | 15 Bar (290 psi)                  | 10 Bar (145 psi)                       |
| Viscosity                             | 0.8-10 cP                        | 0.8-10 cP                         | 0.8 - 10 cP                            |
| Approx. K-factor<br>(P = pulses)      | 120,000 P/L<br>(433,000 P/G)     | 5,500 P/L<br>(19,000 P/G)         | 2,000 P/L<br>(7,500 P/G)               |
| Power supply                          | 5-24 Vdc                         | 5-24 Vdc                          | 5-24 Vdc                               |
| Output signal                         | 5-24 V SQW                       | 5-24 V SQW                        | 5-24 V SQW                             |
| Power consumption                     | 34 mA at 5 V                     | 34 mA at 5 V                      | 34 mA at 5 V                           |
| Default cable                         | PVC 1 m (39.37")                 | PVC 1 m (39.37")                  | PVC 1 m (39.37")                       |

All data are derived from tests conducted under ideal laboratory conditions using water. Specifications may vary depending on local process conditions.

### Features & Benefits

- Infrared (IR) turbine rotor reflection results in accurate and repeatable flow measurements
- All wetted parts of Teflon® PFA with ruby bearing
- High chemical and corrosive resistance
- High resolution square wave output
- Flexible use, easy to install
- Small in size

## Saint-Gobain Life Sciences Global Manufacturing Facilities



Uncontrolled Document - for the controlled version of this document please visit [www.sensors.saint-gobain.com](http://www.sensors.saint-gobain.com)

Contact us today at [sales.sensors@saint-gobain.com](mailto:sales.sensors@saint-gobain.com) for:  
Consultations • Samples • Quotes • Orders • Technical Service



Saint-Gobain Life Sciences  
Equiflow BV

Voorschakelstraat 8,  
5349CC Oss,  
The Netherlands

[www.sensors.saint-gobain.com](http://www.sensors.saint-gobain.com)

**IMPORTANT:** It is the user's responsibility to ensure the suitability and safety of Saint-Gobain Life Sciences products for all intended uses and that the materials to be used comply with all applicable medical regulatory requirements. Saint-Gobain Life Sciences assumes no responsibility for any product failures that occur due to misuse of the materials it provides arising out of the design, fabrication or application of the products into which the materials are incorporated.

**WARRANTY:** For a period of 12 months from the date of first sale, Saint-Gobain Life Sciences warrants this product to be free of defects in materials and workmanship. Our only obligation will be to replace any portion proving defective, or at our option, to refund the purchase price thereof.

SAINT-GOBAIN LIFE SCIENCES DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.