

# Gas Flow Cell FCS16, 1/4" Fit, FC/APC



#72-176

Stock #72-176 NEW 3-4 DAYS

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1

+

€1.090<sup>00</sup>

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## SPECIFICATIONS

### General

|                     |                       |
|---------------------|-----------------------|
| FCS                 | Type:                 |
| FCS-16-SS-1/4-FCAPC | Model Number:         |
| 16.7                | Path Length (cm):     |
| >50%                | Throughput (%):       |
| FC/APC              | Fiber Connector Type: |

| Optical Properties                 |                             |
|------------------------------------|-----------------------------|
| 1260 - 1800                        | Wavelength Range (nm):      |
| Environmental & Durability Factors |                             |
| 0 to +70                           | Operating Temperature (°C): |
| -40 to +85                         | Storage Temperature (°C):   |
| Regulatory Compliance              |                             |
| Compliant                          | RoHS:                       |
| View                               | Certificate of Conformance: |

## PRODUCT DETAILS

- Free Space and Fiber-Coupled Designs for UV through IR
- Stainless Steel Designs for Operation at High Temperatures and Pressures
- Designed for Easy Integration

Wavelength References Gas Flow Cells are designed for through-flow laser-based gas interrogation. The cells are housed in a rugged vacuum tight enclosure made of 316 stainless steel and feature Swagelok® tube fittings for gas inflow and outflow. We currently offer the following options:

- FCW (Windowed Gas Flow Cells) are optimized for free space applications with a CaF2 window on the endcap, and feature a 10 cm path length and >50% transmission from 150nm to 9µm.
- FCS (Single-Mode Fiber-Coupled Gas Flow Cells) are offered in both single mode and multimode configurations that correspond to 16.7 cm and 76.1 cm path lengths, respectively. Available with FC/PC, FC/APC, SC/PC, or SC/APC connectors, these flow cells feature SMF28e fiber for use in the 1260nm to 1800nm wavelength range, and can be operated from full vacuum to 1000 Torr.
- FCM (Multimode Gas Flow Cells) are optimized for fiber optic and FTIR spectroscopy, and feature an SMA905 connectorized fiber, a 10 cm path length, and >50% transmission from 150nm to 9µm.

Wavelength References Gas Flow Cells are ideal for gas sensing, chemical detection, and analytical spectroscopy applications.