

## Gas Flow Cell FCS16, 1/4" Fit, SC/PC



#72-176

Stock **#72-182** 1 In Stock

- 1 + **\$1,575<sup>00</sup>**

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### Volume Pricing

Qty 1-4	<b>\$1,575.00</b> each
Qty 5-9	<b>\$1,417.50</b> each
Need More?	<a href="#">Request Quote</a>

### Product Downloads

16.7	<b>Path Length (cm):</b>
>50%	<b>Throughput (%):</b>
SC/PC	<b>Fiber Connector Type:</b>

### General

FCS	<b>Type:</b>
FCS-16-SS-1/4-SCPC	<b>Model Number:</b>

### Optical Properties

1260 - 1800	<b>Wavelength Range (nm):</b>
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## Environmental & Durability Factors

0 to +70      **Operating Temperature (°C):**

-40 to +85      **Storage Temperature (°C):**

## Regulatory Compliance

[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 CaF<sub>2</sub> 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.