

# Gas Flow Cell FCS80, 1/4" Fit, FC/APC



#72-184

Stock **#72-184** 1 In Stock

-

1

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₹1,17,900

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Product Downloads

|      |                   |
|------|-------------------|
| 78.1 | Path Length (cm): |
| >35% | Throughput (%):   |

|        |                       |
|--------|-----------------------|
| FC/APC | Fiber Connector Type: |
|--------|-----------------------|

General

|                     |               |
|---------------------|---------------|
| FCS                 | Type:         |
| FCS-80-SS-1/4-FCAPC | Model Number: |

Optical Properties

|             |                        |
|-------------|------------------------|
| 1260 - 1800 | Wavelength Range (nm): |
|-------------|------------------------|

Environmental & Durability Factors

|            |                             |
|------------|-----------------------------|
| 0 to +70   | Operating Temperature (°C): |
| -40 to +85 | Storage Temperature (°C):   |

Regulatory Compliance

|                      |                             |
|----------------------|-----------------------------|
| <a href="#">View</a> | 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.