

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



#72-184

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

MRP ₹1,43,370

**!** Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-4	₹1,43,370 each
Qty 5-9	₹1,29,033 each
Need More?	<a href="#">Request Quote</a>

### Product Downloads

78.1	<b>Path Length (cm):</b>
>35%	<b>Throughput (%):</b>
FC/APC	<b>Fiber Connector Type:</b>

### General

FCS	<b>Type:</b>
FCS-80-SS-1/4-FCAPC	<b>Model Number:</b>

### Optical Properties

1260 - 1800	<b>Wavelength Range (nm):</b>
-------------	-------------------------------

## Environmental & Durability Factors

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

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

## Regulatory Compliance

[View](#) **Certificate of Conformance:**

United States **Country of Origin:**

**Imported By:**  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91-80-6845 0000

## 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.