

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



#72-176

Stock **#72-180** **1 In Stock**

MRP ₹1,19,475

**!** Price inclusive of all taxes

**ADD TO CART**

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-4        | ₹1,19,475 each                |
| Qty 5-9        | ₹1,07,528 each                |
| Need More?     | <a href="#">Request Quote</a> |

### Product Downloads

|      |                          |
|------|--------------------------|
| 16.7 | <b>Path Length (cm):</b> |
| >50% | <b>Throughput (%):</b>   |

|       |                              |
|-------|------------------------------|
| FC/PC | <b>Fiber Connector Type:</b> |
|-------|------------------------------|

### General

|                    |                      |
|--------------------|----------------------|
| FCS                | <b>Type:</b>         |
| FCS-16-SS-1/4-FCPC | <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.