

Gas Flow Cell FCS80, 1/8" Fit, FC/PC



#72-184

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SPECIFICATIONS

General

FCS	Type:
FCS-80-SS-1/8-FCPC	Model Number:
78.1	Path Length (cm):
>35%	Throughput (%):
FC/PC	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		
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.