

Gas Flow Cell FCW10, 1/4" Fit, Free-Space



Stock #72-194 **1 In Stock**

- 1 + \$1,113.⁰⁰

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Volume Pricing

Qty 1-4	\$1,113.00 each
Qty 5-9	\$1,001.70 each
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Product Downloads

10	Path Length (cm):
>50%	Throughput (%):
Free Space	Fiber Connector Type:

General

FCW	Type:
FCW-10-SS-1/4	Model Number:

Optical Properties

150 - 9000	Wavelength Range (nm):
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Environmental & Durability Factors

-40 to +200 **Operating Temperature (°C):**

-40 to +200 **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.
