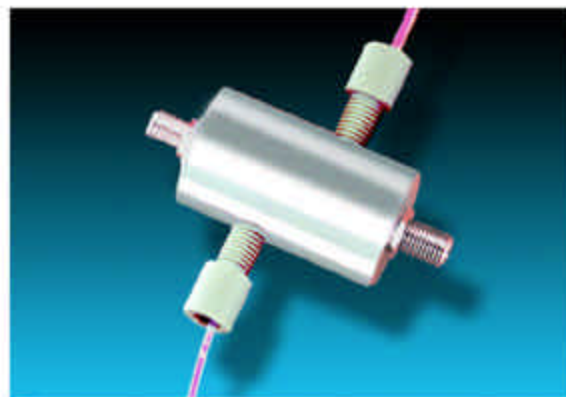


MICRO FLOW CELL

PART NUMBER: P-MFC

- Economical
- High Throughput
- Rugged Construction
- Low Internal Volume
- 150°C, 5,000 psi
- Compatible With All CDI Spectrographs



CDI's high-throughput Micro-Flow Cell is ideal for use in a laboratory environment. Samples are introduced through a PEEK (polyetheretherketone) nut and ferrule into a PEEK sample chamber. The tubing 1/12" OD Teflon®. The cell is capable of operating at temperatures from -40°C to 150°C and at pressures up to 5000 psi. This outstanding performance is achieved by using Kalrez® O-ring seals. The Micro-Flow Cell is available in fixed path lengths from 1 to 40 mm. The optical fiber is 400-micron core fused silica and is clad in PVC-coated stainless steel armor. If needed, the armor can be sealed with Teflon® for high-temperature operation. The Micro-Flow Cell is available in both UV and NIR versions, as requested by the customer's application needs.

Specifications:

OPTICAL

Path Length _____ 1mm to 40mm
Lens/Windows Material _____ UV or NIR fused Silica
Efficiency _____ Typical: 15% at 500nm*
Guaranteed: 15% at 500nm
Numerical Aperture _____ 0.32 NA
Fiber packaging _____ PVC-coated (80°C) armored
simplex Teflon®-coated
(150°C) armored simplex
Fiber length _____ 1m standard†
Fiber termination _____ SMA 905

*Efficiency measured relative to direct fiber connection between light source and detector using 400 micron core fiber optic.

**Other materials available upon request. - allow 8 weeks for delivery of special materials.

†Other fiber sizes and length available upon request.

Control Development Inc. reserves the right to change specifications without notice.

Kalrez is a registered trademark of Dupont Dow Elastomers. Teflon is a register trademark of Dupont

PHYSICAL

Body Materials _____ 316 Stainless Steel / PEEK inner**
Body Dimensions _____ 1.5" + path length L x 1" OD
Seal Type _____ O-ring
Seal Material _____ Kalrez®1050LF**
Temperature Range _____ -40°C to 150°C
Maximum Pressure _____ 5000 psi / 345 bar

Affordably Priced At 3,019.00

ORDERING INFORMATION

PART NUMBER: P-MFC



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Email: Orders@controldevelopment.com
www.controldevelopment.com

Control Development, Inc. also manufactures integrated spectroscopy systems for: UV-VIS, NIR, RAMAN, and OEM customers.



NIR WITH USB



NIR



PORTABLE



RAMAN



MY INSTRUMENT



OEM