

Product Specifications

Part ID: OC2002

CTech™ FlowVPX™ 3 mm Non-GxP Flow Cell

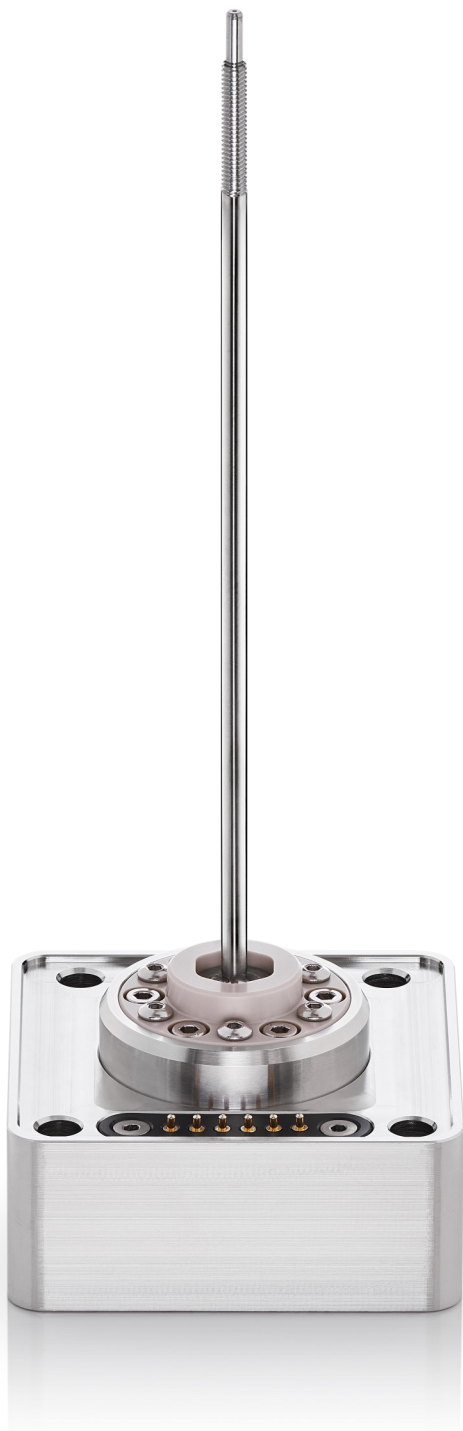
Overview

Engineered for bioprocessing lab environments, the CTech™ FlowVPX™ 3 mm non-GxP Flow Cell was developed to provide an in-line measurement solution compatible with the FlowVPX System's variable pathlength technology. This unlocks the power of Slope Spectroscopy® measurement methods at the laboratory scale for process development, enabling the user to understand and control critical process parameters (CPP) to achieve critical quality attributes (CQAs) for their product.

The 3 mm Flow Cell utilizes a built-in Fibrette® Optical Component with dual-sealing features made from an EPDM sliding seal and EPDM diaphragm for a contained process-measurement of the product stream. The Flow Cell's flow path utilizes ¼"-28 thread size and can be used with a wide variety of fittings such as barbed and Luer locks. It utilizes a modular mating surface to fit onto the FlowVPX Detector Modules and FlowVPX Head.

Additionally, Flow Cells are equipped with smart cell technology, which directly communicates with the FlowVPX Head and provides valuable information for traceability.

For more information about the 3 mm Non-GxP Flow Cell or the FlowVPX System variable pathlength solution, please contact a Repligen Analytics Representative.



Features | Advantages | Benefits

316/316L SS Construction: Stainless steel construction designed to withstand harsh pharmaceutical cleaning cycles.

Dual EPDM Sealing: Features made from an EPDM sliding seal and EPDM diaphragm to maintain integral flow path during optical measurements. Tested to 100,000 cycles.

Connections: ¼"-28 for option flexibility (tubing compression fittings, Luer, barbed).

Integrated Memory: Feature option to allow electronic reading of Flow Cell size and serial number on the FlowVPX Head.

Flow Cell Specifications

Dimensions (L x W x H): 70 x 70 x 200 mm (2.76 x 2.76 x 7.89 in)

Weight: 1.13 kg (2.5 lb)

Maximum Pathlength: 3 mm (0.118 in)

Process Contact Materials:	EPDM	Medical-Grade Epoxy
	316L Stainless Steel	UV-Grade Fused Silica

Non-Process Contact Materials:	316/316L Stainless Steel	PTFE
	Stainless Steel Fiber Optic Connector	Medical-Grade Epoxy
	Polyimide-Filled PTFE Blend	

Maximum Rated Internal Pressure: 5.5 bar (80 psi)

Maximum Operating Temperature: 49°C (120°F)

Minimum Operating Temperature: 1°C (33°F)

Maximum Hold-Up Volume: 0.6 ml (Flow Cell only)

Maximum Cycle Rating: 100,000

Further Details

Storage Conditions: 5°C–23°C (40°F–72°F), 8%–75% RH. Store in original packaging away from ozone-producing devices.

Shelf Life: Two years from assembled date when kept in proper storage conditions.

Hardware Compatibility: FlowVPX instrument

Software Requirement: ViPER v1.0.80 or newer

More information: Final application suitability of all materials and ratings are the sole responsibility of the user. Specified pressure and temperature ratings may be subject to limitations. See the *CTech FlowVPX System Introduction and Installation Guide* DOC0211 or contact a Repligen Analytics Representative for more information. Visit our website: <https://ctech.repligen.com/>

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