

## Product Specifications

Part ID: OC1003-01 (Flow Cell)  
OF0005-2 (Flow Fibrette)  
OC1003-01-KIT (Flow Cell +  
Fibrette Kit)

### CTech™ FlowVPE® 10 mm Flow Cell

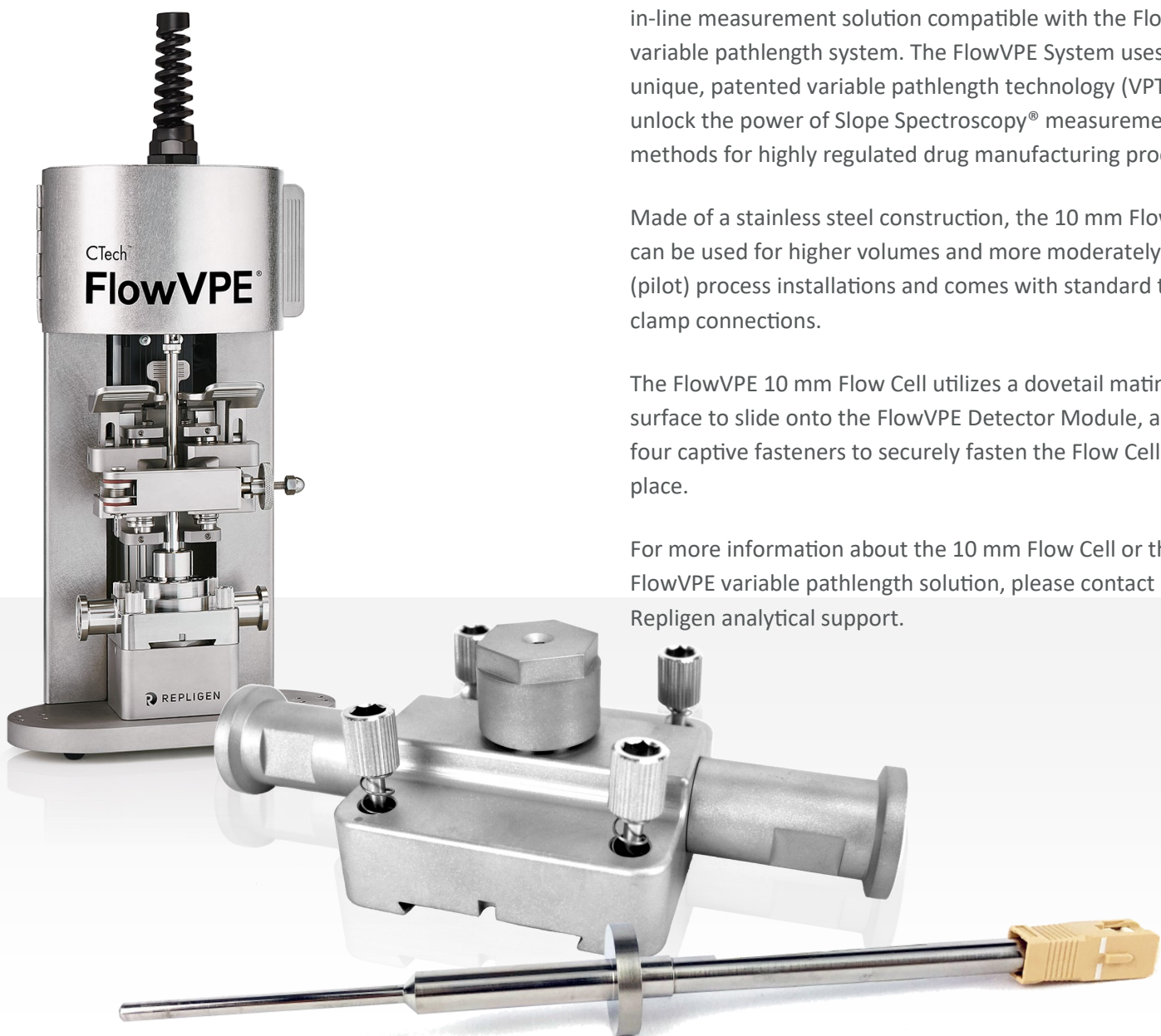
#### Overview

The CTech™ FlowVPE® Flow Cells are designed to provide an in-line measurement solution compatible with the FlowVPE variable pathlength system. The FlowVPE System uses unique, patented variable pathlength technology (VPT) to unlock the power of Slope Spectroscopy® measurement methods for highly regulated drug manufacturing processes.

Made of a stainless steel construction, the 10 mm Flow Cell can be used for higher volumes and more moderately scaled (pilot) process installations and comes with standard tri-clamp connections.

The FlowVPE 10 mm Flow Cell utilizes a dovetail mating surface to slide onto the FlowVPE Detector Module, as well as four captive fasteners to securely fasten the Flow Cell in place.

For more information about the 10 mm Flow Cell or the FlowVPE variable pathlength solution, please contact Repligen analytical support.



## Features | Advantages | Benefits

**Stainless steel construction:** Stainless steel materials allow for reliable and wear-resistant use in lab environments.

**Standard type A tri-clamp adapters:** 9.4 mm (0.370 inch) diameter inner flow channel.

## Flow Cell Specifications

**Dimensions (L x W x H):** 140 x 46 x 64 mm (5.5 x 1.8 x 2.5 in)\*

**Weight:** >0.9 kg (2 lb)

**Maximum pathlength:** 8 mm (0.31 in)

<b>Process contact materials:</b>	316/316L stainless steel	Platinum-cured silicone window and tri-clamp seals
	316/316L SS and PTFE shaft seals	UV-grade fused silica window
<b>Non-process contact materials:</b>	316/316L SS construction	PTFE
	Stainless steel fiber optic connector	Medical-grade epoxy
		Polyimide-filled PTFE blend
		PBT SC connector housing

**Chemical compatibilities:** Purified water, sodium hydroxide (1 molar)

**Maximum pressure:** 80 psi

**Maximum operating temperature:** 49°C (120°F)

**Minimum operating temperature:** 1°C (33°F)

**Maximum holdup volume:** ≤10 ml

## Further Details

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

**Storage conditions:** 5°C–23°C (40°F–72°F), 8%–75% RH. Stored with seals protected from UV light and ozone.

**Compatible with FlowVPE instrument:** IN-VPE-FLOW5

**Hardware compatibility:** FlowVPE instrument

**Software requirement:** ViPER software: version 1.0.XX or newer  
FlowVPE software: version 1.0 or newer  
Agilent Cary WinUV software: version 5.1.0.1019 or newer

## Customer Support

**Support and training:** Repligen is committed to customer success from predelivery through installation and training. The following replacement kits are available for purchase:

- Window and window seal (replaceable by customer)
- Fibrette seal components
- Tri-clamp seals
- External optical surface can be wiped down

\*±1.6 mm (±1/16 in)

## Customer Support (cont.)

**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. Contact a Repligen analytical sales representative for more information.

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### Customer Support

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