

FlowVPX™ : The Next Generation

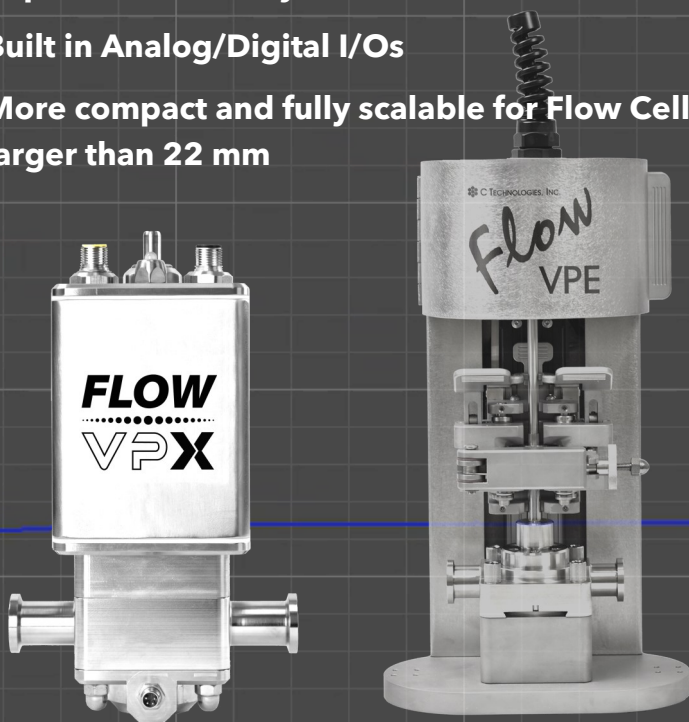
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Monitor in Real Time

Developed for ease of use when measuring concentrations in GMP environments, the FlowVPX™ System is the newest in our Flow line of devices and applications.

Key Features

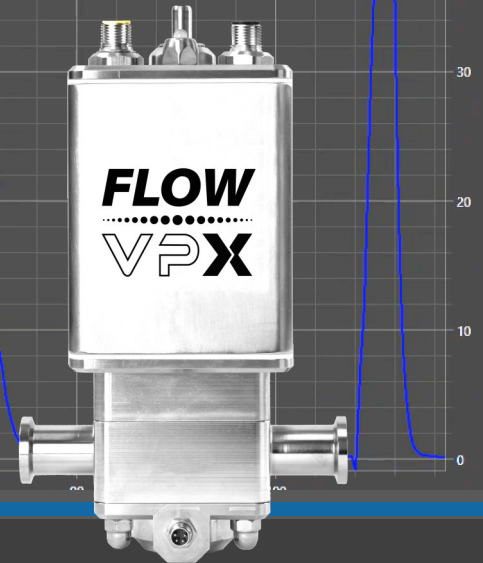
- **Robust and automated zeroing**
- **Improved linear range**
- **Improved suitability for GMP and 21CFR11**
- **Built in Analog/Digital I/Os**
- **More compact and fully scalable for Flow Cells larger than 22 mm**



	FlowVPE®	FlowVPX™
Inline UV-Measurement	✓	✓
System Suitability Testing Capability	✓	✓
Minimum 5-Second Cycle Acquisition Time	✓	✓
CE System Certification	✓	✓
ViPER™ Software Compatibility	✓	✓
21 CFR Part 11 Compliance	✓	✓
Analog I/O	✓	✓
Digital I/O		✓
Automated Zeroing		✓
Smart Cell Operation		✓
Process Status Indicators		✓
C1D2 Rating		✓
IP Rating	N/A	IP65
Concentration Range	0.1–250 mg/mL	0.1–300 mg/mL
Flow Cell Size Compatibility	Up to 22 mm	Increased Scalability
Minimum Pathlength Step Size	5 µm	1 µm

FlowVPX™ The Next Generation

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Robust and Automated Zeroing

The FlowVPX™ System employs a simple two-step process that ensures accurate zeroing and prevents window breakage.

Improved suitability for GMP

The FlowVPX System's 316L stainless steel body is designed to be fully enclosed to withstand the harshest GMP manufacturing environments and for ease of cleaning. The FlowVPX System has passed the following standards: IP65, C1D2, and CE marking.

Connectivity Options

Built-in analog and digital I/O has made integration to external skids easier than ever. The System supports both legacy analog and digital signals and also features OPC-UA connectivity, which is widely accepted in the bioprocess industry.

21CFR11 Compliance

The FlowVPX System is designed to work seamlessly with the new ViPER software.

This package includes LDAP control that leverages the windows credentials system to log users into the software. ViPER's highly intuitive front end simplifies security setup and inline measurement. Both digital and analog communication are also available to connect to any legacy system.

Improved Linear Range

The next generation, encoder-based feedback control allows for a more accurate pathlength acquisition for step sizes 5 times smaller, ideal for measuring highly concentrated solutions of proteins, antibodies, and nucleic acids.

This allows for a QC-grade slope measurement of the most concentrated solution of proteins, antibodies, and nucleic acids found in the industry.

Flow Cell Sizes

The FlowVPX System is designed to incorporate Flow Cells greater than 22 mm by using modular components that are no longer restricted by the dimensions of the FlowVPE® Head.

Compared to its predecessor, the modular component design allows for increased scalability from development to laboratory to production.