

ePVC-CF

Continuous Flow Pressure/Volume Controller

The GCTS Pressure/Volume Controller (ePVC) continuous flow versions are designed to deliver precision fluid flow and accurate pressure control for a variety of applications using a bumpless transfer system. This device is capable of precisely controlling pressure or flow rate continuously without disturbances during pump transitions.

Ideal for rock mechanics, geotechnical, and other material testing environments, the GCTS ePVC continuous flow versions provide the reliability and precision needed for demanding testing procedures.



RELIABLE

Built with robust materials and components for long-lasting performance.



PRECISE

Ensures consistent and accurate fluid delivery with advanced control systems.



EASY TO USE

User-friendly interface using a mobile application and flexible control options for seamless operation.



VERSATILE

Suitable for a wide range of applications, from research laboratories to industrial settings.

Standalone Pressure/Volume Controllers

ePVC Series Continuous Flow Version

Available Models

Models	Pressure Capacity (MPa)	*Max. Flow Rate (cc/min)
ePVC-3S-CF	3.5	150
ePVC-20-CF	20	90
ePVC-21L-A-CF	21	140
ePVC-70L-A-CF	70	40
ePVC-70M-CF	70	20
ePVC-140L-CF	140	20

Corrosive fluid compatible versions available

Additional Specifications (all models)

- Ultra high pressure capacity available up to 1 GPa (150,000 psi)
- Two (2) external ADC input channels with excitation and selectable input range
- Four (4) external ADC input channels with ± 10 VDC fixed range
- 24-bit Sensor Input Resolution
- TCP/IP Communication
- Power Requirements: 100-240 VAC, 50/60 Hz @ 0.5 KVA, single phase
- GCTS offers backup battery packs for uninterrupted ePVC operation

*Max Flow Rate is rated at 5% of rated pressure. Max flow rate is reduced with increased pressures.