

Data Sheet

AVC-1000 & AVC-3000 Pressure Volume Controller

FEATURES

- Provides a cylinder that becomes part of the volume of a closed pneumatic system
- Turning the control knob moves the piston to raise or lower pressure in small increments
- Includes a balance valve to maintain a suitable internal differential pressure
- Available in 1000 psi and 3000 psi models

TYPICAL USES

- Calibration benches
- Laboratories



AVC-1000

SPECIFICATIONS

Model	AVC-1000	AVC-3000
Range (psi)	Vacuum-1000	Vacuum-3000
Proof (psi)	3000	6000
Burst (psi)	6000 min.	12,000 min.
Resolution (psi)	0.00025	0.0005
Volume Change (cubic inches)	3.5	2.5
Mechanical Rotation (total turns)	31	61
Connection	1/8 NPTF	1/8 NPT
Operating Temperature. Range	20-120 °F	20-120 °F
Construction	Aluminium body, Stainless steel, Brass, Teflon™, Delrin® and Buna-N internal parts	

KEY BENEFITS

- Eliminates need to hunt for precise pressure points with regulator and bleed valve
- Quickly “dialing-in” exact pressures cuts down calibration time
- Can generate a small amount of pressure without an external pressure source

ORDERING CODE

Model

AVC-1000	Precision pressure volume controller for use with pressures up to 1000 psi
AVC-3000	Precision pressure volume controller for use with pressures up to 3000 psi
621X001-02	Bench mounting bracket

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Type AVC-1000 & AVC-3000 Pressure Volume Controller

