



VARIABLE VOLUME PRESSURE CONTROLLER MODEL: V-1R

The 3D V-1R Variable Volume Pressure Controller is available for requirements of 0-1,000 psi in absolute or gauge pressure. It is a highly sensitive vernier controller with adjustment sensitivity of .0005 psi

Utilizing the principle of expansion or compression of gas by the displacement of a piston, the unit can generate up to 50 psi in a static system without requiring an outside pressure source



SPECIFICATIONS MODEL: V-1R

PRESSURE RANGE:	0 - 1,000 psi
ADJUSTMENT SENSITIVITY:	0.0005 psi
LEAK RATE:	Less than 1×10^{-5} Atm cc/sec
TOTAL MECHANICAL ROTATION:	33 1/2 turns. (nom.)
TEMPERATURE RANGE:	32°F - 120°F
PNEUMATIC PRESSURE GENERATION:	35 psia
PROOF PRESSURE:	2,000 psi
CONSTRUCTION:	Aluminum body, Stainless steel screw and valve stem.
LIFE:	250,000 cycles
WEIGHT:	4.5 lbs.
TOTAL VOLUME:	12.756 cubic inches

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