



VALVE ACCESSORIES & CONTROLS, INC.

Technical Specifications

V100E 0-10 VDC Electropneumatic Positioner

Input range: 0-10 VDC
Supply pressure: 20-120 PSI
Linearity error: <1.0% f.s.
Hysteresis: <0.5% f.s.
Repeatability: <0.5% f.s.

Pressure Gain: 750 Pout/Pin
Acc. To ISA S75.13 49% Pout/Pin

Pneumatic Positioner:

Air Delivery:	SCFM	SLPM
@29 PSI (200kPa)	9.5	270
@87 PSI (600kPa)	28.3	800
@145 PSI (1Mpa)	47.1	1350

Air Consumption:	SCFM	SLPM
@29 PSI (200kPa)	0.18	5
@87 PSI (600kPa)	0.53	15
@145 PSI (1Mpa)	0.88	25

Temp Range: -40° to 160° Fahrenheit
-40° to 71° Celsius

Air Connections: 1/4" NPT or G Threads
Gauge port: 1/8" NPT or G Threads
Cable entry: 1/2" NPT or M20x1.5 or PG 13.5

Ip Converter
3 wire

7.2-30 VDC Input/power
0-10 VDC Signal
-3 db@ 5 Hz
Less than +1% of Span under 5-15 Hz
@ 0.8 inches constant displacement
15-500 Hz @ 10 Gs.

Frequency response
Vibration effect

Ingress & corrosion protection: Nema 4X and IP 66
Coating: Powder Polyester-Positioner
Epoxy-IP Transducer

Weight 3.8 lbs 1.7 kg