



Technical Specifications

V100E-FF Electropneumatic Fail Freeze Positioner

Input range: 4-20mA
Load presents 6 volts (+/-0.5V) constant voltage drop to the current source.

Supply pressure: 22-100 PSI 0.15-1MPa
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

Air Delivery:	SCFM	SLPM
@29 PSI (200kPa)	9.5	270
@87 PSI (600kPa)	28.3	800

Air Consumption:	SCFM	SLPM
@29 PSI (200kPa)	0.2	5.7
@87 PSI (600kPa)	0.6	17

Supply pressure effect: 0.25 psig per 25 psig supply change
Loop voltage drop: 7 V Max @ 20 mA
Reverse protection: 250 mA
Over current protection: 250 mA
Fail Freeze Mode: Input signal fail below 3.5 mA
Fail Freeze Drift Rate: 2% per hour max

Temp Range: -20 to 150° Fahrenheit
-20° to 66° Celsius

Air Connections: 1/4" NPT or G Threads
Gauge port: 1/8" NPT or G Threads
Cable entry: 1/2" NPT optional 30mm square Connector DIN 43650

Ingress & corrosion protection: Nema 4X and IP 65
Coating: Powder Polyester

Weight 6 lbs. 2.65 kg