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: 22-145 PSI 0.15-1MPa
Linearity error: <1.0% f.s.
Hysteresis: <0.5% f.s.
Repeatability: <0.5% f.s.

Pressure Gain: 750 $P_{out}/P_{in}$
Acc. To ISA S75.13 49% $P_{out}/P_{in}$

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: negligible
Loop voltage drop: +/-0.5 V
Reverse protection: 125 mA
Over current protection: 125 mA
Fail Freeze Mode: Input signal fail below 2 mA +/-0.5 mA
Fail Freeze Drift Rate: .02% in 30 seconds (mid range)

Temp Range: -40° to 158° Fahrenheit
-20° to 70° 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 - Positioner
Epoxy Coated - Fail Freeze Converter

Weight 5.8 lbs. 2.65 kg