



### Technical Specifications

#### V100E-EX-Electropneumatic Explosion Proof Positioner

Input range: 4-20mA (R1<260 ohms)  
 Supply pressure: 30-145 PSI 0.2-1MPa  
 Linearity error: <1.0% f.s.  
 Hysteresis: <0.6% 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  |
| @145 PSI (1Mpa)  | 47.1 | 1350 |

|                  |      |      |
|------------------|------|------|
| Air Consumption: | SCFM | SLPM |
| @29 PSI (200kPa) | 0.2  | .7   |
| @87 PSI (600kPa) | 0.6  | 17.0 |
| @145 PSI (1Mpa)  | 1.0  | 28.3 |

Temp Range: -40° to 185° Fahrenheit  
 -40° to 85° 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

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

Weight 4.9 lbs 2.2 kg

#### Approvals

##### Cenelec

Intrinsically safe: EEx ia IIC T4/T5/T6  
 Flameproof: EEx d IIC T4/T5/T6

##### British Standard

Non incandive: Ex N II T6 for Zone 2

##### FM

Intrinsically safe: CL I-II-III/Div 1/Grp ABCDEFG  
 Non incandive: CL I/Div 2/Grp ABC  
 Explosion proof: CL I/Div 1/Grp BCD  
 CL I II III/Div 1/Grp EFG

##### CSA

Intrinsically safe: CL I/Div 1/Grp ABCD  
 CL II/Div 1/Grp EFG  
 CL III  
 CL I/Div 2/Grp ABCD  
 CL II/Div 2/Grp EFG  
 Explosion proof: CL I/Div 1/Grp BCD  
 CL II/Div 1/Grp EFG