



Technical Specification V100 Positioner

V100P

Input range: 3-15 PSI (20-100kPa)
Supply pressure: <145 PSI (<1MPa)
Linearity error: <0.7% f.s
Hysteresis: <0.4% f.s
Repeatability: <0.3% f.s

Pressure Gain:
@87 PSI (600kPa) 750 P_{out} / P_{in}
acc. to ISA S75.13 49 % $P_{out} / \%P_{in}$

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

Bleed Rate: SCFM (SLPM)
@29 PSI (200kPa) 0.18 (5)
@87 PSI (600kPa) 0.53 (15)
@145 PSI (1MPa) 0.88 (25)

Weight: 3.5 lbs (1.6kg)
Weight with gauges: 4.0 lbs (1.8kg)

Temp range: -40° to +185° Fahrenheit
-40° to +85° Celsius

Air connectors: 1/4" NPT (optional G threads)
Gauges: 1/8" NPT (optional G threads)
Cable entry: 1/2" NPT (optional M20x1.5 or PG 13.5)

Ingress & corrosion protection: NEMA 4X and IP66

Coating: Powder Polyester

Options: Feedback Spring for 6-30 PSI (40-200kPa) input signal.
Gauges.

Pilot Valves:

W1 Low Gain-Medium Flow-Low Bleed
for better stability and lower bleed.
Pressure gain @87 PSI =300
Bleeds approx. 33% < than W3
Air capacity =10% < W3 (above chart)

W2 High Gain-High Flow-High Bleed
For faster response and better accuracy.
Pressure gain @87 PSI >1000
Bleeds approx. 33% > than W3
Air capacity = W3 (above chart)

W3 Medium Gain-High Flow-Medium Bleed
For "average" capacity and bleed
Standard Pilot Assembly
Specifications shown in above chart

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