



Technical Specification V100 Positioner

V100E

Input range:	4-20 mA (Ri<250ohms)
Supply pressure:	21,8-145 PSI (0,15-1MPa)
Linearity error:	<1.0% f.s
Hysteresis:	<0,6% f.s
Repeatability:	<0.5% 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)	0.2 (5.7)
@87 PSI (600kPa)	0.6 (17.0)
@145 PSI (1MPa)	1.0 (28.3)
Weight:	3.8 lbs (1.7kg)
Weight with gauges:	4.2 lbs (1.9kg)
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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