

VAC V100P & V100E POSITIONERS

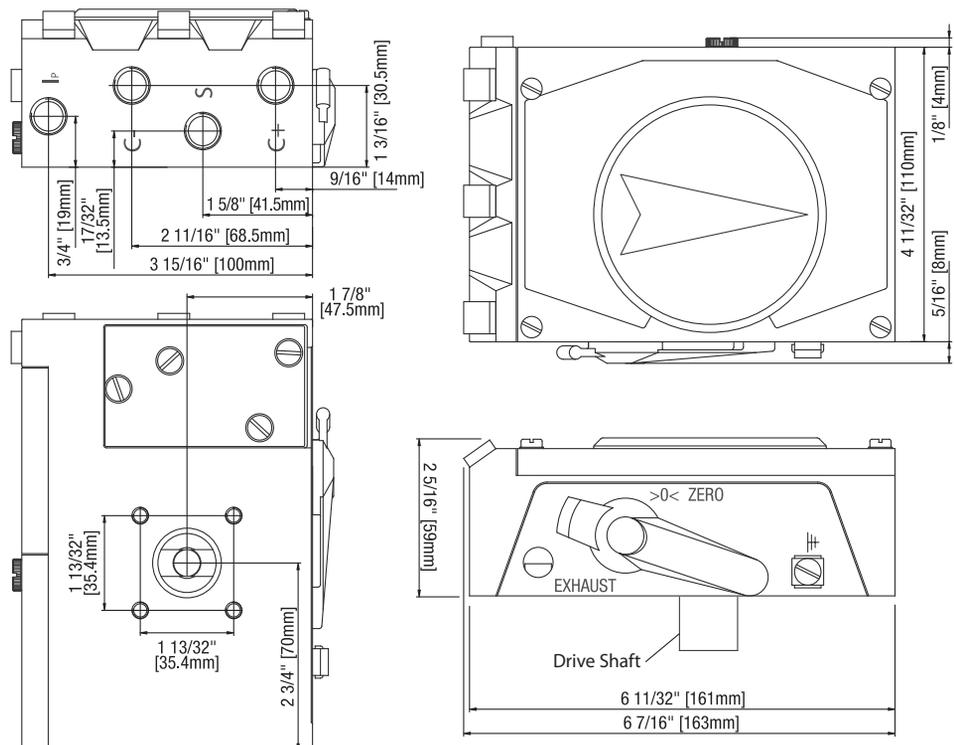
The V100 series positioner is available in pneumatic or electro-pneumatic configurations. The durable, modular design and wide assortment of options for the V100 makes the positioner easy to field convert in a matter of minutes.

FNW supplies pneumatic and electro-pneumatic positioners for both quarter-turn and linear actuators. Contact FNW for optional positioner configurations such as explosion-proof, intrinsically safe, reverse acting, feedback units, gauge kits, and characterized cams including split range, equal percent, and square root degree combinations.



Features:

- Sturdy Construction
- Force Balance Design
- Easy Maintenance Pilot Valve
- Large Arrow Position Indicator
- Stainless Steel Cam
- I/P Test Point Facilitates Positioner Loop Testing
- Modular Design
- Simple Calibration
- External Zero Adjustment
- Built-in Gauge Ports
- Captured Stainless Steel Cover Screws
- Sealed Cover
- Replaceable Drive Spindles



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Technical Specifications

SPECIFICATION	V100P	V100E
Input Signal	3-15 PSI (20-1000 kPa)	4-20mA
Linearity	< 0.7%*	< 1.0%*
Hysteresis	< 0.4%*	< 0.6%*
Repeatability	< 0.3%*	< 0.5%*
Pressure Gain	750 P _{OUT} / P _{IN}	
Air Delivery		
@ 29 PSI (0.2 MPa)	9.5 SCFM (269 SLPM)	
@ 87 PSI (0.6 MPa)	28.3 SCFM (801 SLPM)	
@ 145 PSI (1.0 MPa)	47.1 SCFM (1,334 SLPM)	
Bleed Rate		
@ 29 PSI (0.2 MPa)	0.18 SCFM (5 SLPM)	0.2 SCFM (5.7 SLPM)
@ 87 PSI (0.6 MPa)	0.53 SCFM (15 SLPM)	0.6 SCFM (17.0 SLPM)
@ 145 PSI (1.0 MPa)	0.88 SCFM (25 SLPM)	1.0 SCFM (28.3 SLPM)
Max. Supply Pressure	145 PSI (1.0 MPa)	
Temperature Range	-40°F to +185°F (-40°C to +85°C)	
Air Connections	1/4" NPT	
Gauge Connections	1/8" NPT	
Cable Entry	1/2" NPT	
Weight	3.5 Lbs. (1.59 kg)	3.8 Lbs. (1.72 kg)
Housing	Die Cast Aluminum	
Surface Treatment	Electrostatically Applied Polyester	
Fasteners	Stainless Steel	
Ingress Protection	IP66 / NEMA4X	
Mounting Pad	F05	
Drive Spindle	NAMUR	

* Percent of full scale