

VRC Positioners

Construction

Part

Enclosure

Indicator Lens
Internals

Nickel Plated Brass
Spool Valve

I/P Converter (VK02)
VE Model

Signal Diaphragm/
O-Rings

Materials

PPA Composite, 300
Stainless Steel Port Rings,
Cover and Mounting Bolts
LEXAN™
PPA, PPS and PEEK
Composites
300 Series Stainless Steel

Carpenter 70 Grade
Stainless Steel
PPA Composite, TEFLON™
Coated Carbon Steel, Nickel
Plated Carbon Steel, High
Density Polyethylene DELRIN™
BUNA N

Performance

Parameter

Resolution

Repeatability

Hysteresis

Linearity

Gain @80 psig

Air
Consumption
@80 psig

Temp. Range

Specification

1.25% Maximum
0.10% Typical

99.75% Minimum
99.90% Typical

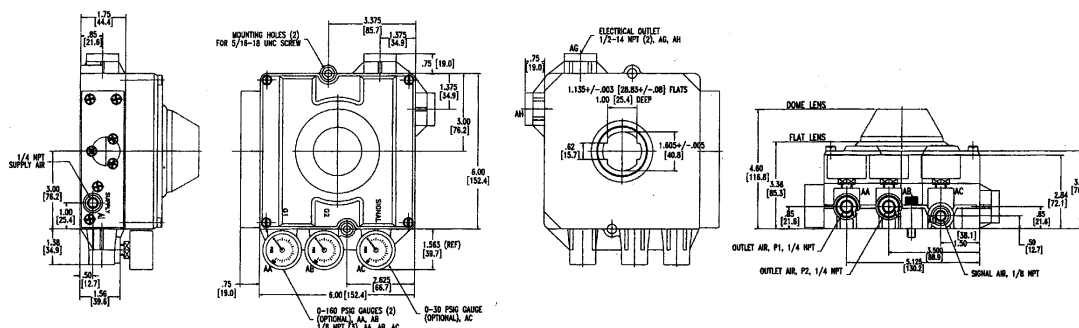
0.50% Maximum
0.25% Typical

1.0% Maximum

250 Single Acting
500 Double Acting

0.25 SCFM.
Standard Flow Spool Valve
0.45 SCFM
Maximum Flow Spool Valve
-40 to 150°F/-40 to 65°C

Dimensional Diagrams



Model Number Specifications

Required Selections	Optional Selections									
Model Type	Position Indicator		Characterizing Cam		Spool Valve		Port Gauges		Position Transmitter	Limit Switch
VP	Flat 90°	7	Linear	0	Standard	0	Brass	G	4-20 MA	T1
Pneumatic										Mechanical S1
3-15 psig	Flat 180°	8	Square Root	1	Maximum	1	Stainless	Z	1 Kohm	T2
VE	Dome 90°	9	Square	2	Extreme Service	2				(2) SPDT
					Standard Flow					Proximity S2
			0-60°	3	Extreme Service	3				(2) SPST
Electro-Pneumatic			Equal Percent	4	Max. Flow					
4-20 MA			Custom	5						
VI			Tangent	6						
Electro-Pneumatic			0-45°	7						
General Purpose										
& Hazardous										
Locations										

Model Number Example:

A Model VE900-G-T1-S2 is a (Model VE) electro-pneumatic positioner with a (9) DOME style, 2-quadrant position indicator; (0) linear Cam; and (0) Standard Flow Spool Valve. Optional fields specify (G) Brass Gauges; (T1) 4-20 MA position transmitter; and (S2) (2) SPST Proximity Limit Switches.

Note: See Price List for Cii Part Numbers

'Apollo' Valves