



TECHNICAL DATA

POSITIONER SPECIFICATIONS

MODEL VP, VE, & VI

Electrical Input Models VE & VI	4-20 milliamps 40 Vdc Maximum .025 Amp Maximum
Resolution	.10% of span Typical .25% of span Maximum
Repeatability	99.90% of span Typical 99.75% of span Maximum
Hysteresis	.25% of span Typical .50% of span Maximum
Linearity	+/-1.0% of span Maximum
Gain	250 PSIG/PSIG Single Acting 500 PSIG/PSIG Double Acting
Model VP Std Input Ranges	3-15 PSIG Full Range 3-9 & 9-15 Split Range
Model VE Input Ranges	4-20 & 4-12/12-20 MA Electronic Split Range
Model VE Speed Control	APPROX: 5, 20, & 40 Seconds Jumper Selected
VE Voltage Required	12.5 Vdc Min.(equivalent 600 ohm)
VI Voltage Required	4.0 Vdc Min. (170 ohm load)
Stroke Range	0-90 & 0-180 Degrees
Supply Range	30 to 150 PSIG
Air Delivery	10 SCFM @ 80PSIG STD 15 SCFM @ 80PSIG MAX-FLOW
Air Consumption	0.25 SCFM @ 80PSI 0.45 SCFM @ 80PSI MAX-FLOW
Operating Temp.	-40 to +150 F -40 to +65 C
Temp. Effect	.02%/deg F (.04%/deg C)
Vibration Effect SAMA PMC 31.1-80	Less than 2% error 0-120 HZ 2G Acceleration
Pneumatic Connections	1/8 NPT Gauge Ports 1/4 NPT Supply Air Port 1/4 NPT Outlet Ports
Enclosure Classification	Designed to NEMA 4X Watertight, Dusttight & Corrosion Resistant
Enclosure Weight	Approximately 2 LBS

HAZARDOUS LOCATIONS APPROVALS

The integral I/P converter for the Model VI Positioner has the following Hazardous Location Approvals:

I/P Converter P.N. VK12, Type 22/06-65

Factory Mutual approved for:

Intrinsically Safe:

Class I, Division 1 Groups A,B,C,D

Non-Incendive / Division 2:

Class I, Division 2 Groups A,B,C,D

CSA approved for:

Intrinsically Safe:

Class I, Division 1 & 2, Groups A,B,C,D

For applications in Hazardous Locations reference control Documents No. 900842/900843, available by calling VRC at 513-677-8724 / fax 513-677-8731.

OPTIONS

S1-Mechanical Switches

Contact Form	(2) SPDT Switches
Ratings	10 Amp 125/250 Vac 1/2 Amp 250 Vdc
Operating Temp.	-40 to +185 F
Approvals	UL Recognized/CSA Certified

S2-Proximity Switches

Contact Form	(2) SPST Switches
Contact Rating	1 Amp, 120 Vac/200 Vdc 50 Watts Maximum
Operating Temp.	-14 to +150 F
Approvals	UL Recognized

T1- 4-20 MA Transmitter

Electrical Input	12 Vdc to 40 Vdc Maximum
Linearity	+/- 1% Maximum
Sensor Hysteresis	0.1 Degree or less
Operating Temp.	-40 to +150 F

MATERIALS OF CONSTRUCTION

Enclosure	PPA Composite, 300 Series Stainless Steel Rings, Cover & Mtg. Bolts
Indicator Lens	GE LEXAN
Internals	PPA, PPS, & PEEK 300 Series Stainless Steel Nickel Plated Brass
Spool Valve	300 Series Stainless Steel
Signal Diaphragm & O-rings	Buna-N
I/P Module (VK02)	PPS Composite 300 Series Stainless Steel Teflon Coated Carbon Steel Nickel Plated Brass & Steel High Density Polyethylene, & Delrin