

Model V Series Positioner

Pneumatic and Electro-Pneumatic

True Modularity

Total Field
Upgradeability

Corrosion-Resistant
Molded Housing

Encapsulated
Electronics

Hazardous Locations
Model Available

Precise Click-Lock™
Calibration

Universal Mounting



Valve Related Controls



STANDARD FEATURES

The **Model V Series** from VRC is designed and manufactured to offer years of trouble-free and economical operation. Every component has been field-tested and field-proven to exceed your expectations of performance and reliability. The Model V Series simply outperforms every other positioner in its class.

Truly Modular/Totally Field Upgradeable

The beauty of the **Model V Series** is summed up in one word: simplicity. Changing a Pneumatic Positioner to an Electropneumatic Positioner, adding a Limit Switch and/or Position Transmitter module, or adding gauges is a simple procedure. The bottom line? Only VRC offers true modularity to simplify changes, minimize inventory, and ease servicing.



Corrosion and Vibration Resistant/ Epoxy Encapsulated Components

Dust-tight and water-tight is not tight enough for VRC. Components such as the I/P Converter (VE Model) and Position Transmitter are epoxy sealed for unequalled protection. PPA composite enclosures exceed NEMA standards and are specifically designed for all routine and most highly-corrosive applications. Excellent vibration resistance is achieved through VRC's unique I/P and spool valve design.

Universal Mounting Flexibility

The **Model V Series** has an optional Universal Mounting Kit that provides high performance adaption to most current models, sizes and styles of quarter-turn actuators. The low profile design protects the accessory side of the actuator.



Precise Click-Lock™ Calibration

The unique range-spring SPAN and ZERO adjustments on the Model V Series provide fast and accurate mechanical calibration with our exclusive Click-Lock™ system. The precise detent feature on each adjustment offers a sure feel. And VRC has minimized adjustment interaction to simplify and speed calibration so that, even under extreme conditions, accuracy is achieved.

Modular I/P Converter

The I/P Converter has been designed to provide flawless automatic compensation for supply pressure, atmospheric pressure and ambient temperature changes—all standard features!

Integral RFI protection—standard as well!

Selectable Speed Control

Jumper selection of actuator full travel times eliminates the use of flow control valves. This permits instant response to valve position changes and provides full actuator torque. Back-up is standard for fail-safe operation in the event of current loop failure.

Additional Features

- o LED loop power indication
- o Electronic actuator full travel time selection
- o Reversible and deplugable current loop connections
- o Continuously adjustable calibration and split ranging.

Hazardous Locations

The Model VI electro-pneumatic positioner incorporates an FM, CSA and Cenelec approved I/P Converter that is intrinsically safe and non-incentive for use in hazardous locations as well as general purpose locations.



Model V Series

Optional
Plug-In
I/P Module

Optional
Plug-In
Transmitter
Module

Optional
Plug-In Limit
Switch With
Touch-Set Cams

Two 1/2" NPT
Couduit
Entries

Captive
Stainless
Mounting Bolts



V Series Positioner

Pneumatic and Electro-Pneumatic

**Optional
Gauges
[Brass/Stainless]**

**Standard Or
Maximum Flow
Spool Valves**

**Click-Lock™
Zero & Span
Adjustments**

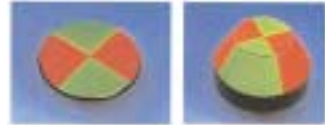
**Stainless
Fasteners &
Port
Reinforcements**

**Extended
Corrosion
Resistance**

OPTIONS

Position Indicator

Flat 90°
Dome 90°
Flat 180° (available)



Characterizing Cam

Linear
Square Root
Square
0-60°
Equal Percent
Custom
Tangent
0-45°



Spool Valve

Standard Flow
Maximum Flow
Extreme Service



Port Gauges

Brass
Stainless



Position Transmitter

Current: 4~20 MA
Resistive: 1000ohm.



Limit Switch

Mechanical (S1 Option)

(2) SPDT. UL & CSA
Approved
10A @ 125/250 VAC
0.5A @ 125 VDC
0.25A @ 250 VDC

Proximity (S2 Option)

(2) SPST. UL Approved
1A @ 140 VAC
1A @ 200 VDC
50 Watts Maximum

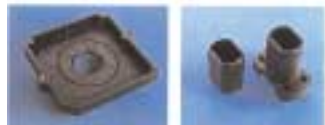


Universal Mounting Kit

Model V Series Mounting Kit

Items include:
Bracket
Small Coupler
Large Coupler
Namur Coupler

*all kit items may not be purchased
separately*



Valve Related Controls

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