



FAQ's

Will a V100 Pilot valve fit inside a V200?

NO. They are both unique to each product for various reasons.

Can a V100 or V200 be made to communicate in Hart?

No. Both positioners are analog units. A D400 would be needed for Hart communication. The idea that Hart still uses the 4/20 mA signal leads some people to believe a 4/20 mA V100/200E could be "converted" to Hart.

How many gauges should I buy?

We recommend a full set of gauges for every positioner sold. Typically 3 for single acting applications and 4 for double acting applications.

Can a V200EX have internal switches that are FM/CSA approved?

No. Our switches are not rated for any FM/CSA approvals-General Purpose ONLY! It is recommended that a bracket made to work with a 3rd party switch is used. This bracket is a product we offer and stock.

Are cams and spindles interchangeable?

Yes, ONLY the cams and spindles are interchangeable.

How do I build a part number?

You can find this information in each brochure along with our website and in your training manual.

Where can I find troubleshooting tips?

Tips can be found on our website at www.vacaccessories.com. Just click on the "Support" tab on the home page

What are your I/P ratings?

We offer a variety of I/P's. Standard, IS-Intrinsically Safe, EX-Explosion proof (FM/CSA/Atex Approvals), 0-10Volt, and Explosion proof Gas approved.

What is the difference between Fail Freeze and Fail Safe?

Fail Safe means that upon loss of signal the positioner will fail back to the fail safe position or the 4 mA setting. Fail Freeze means that upon loss of signal the positioner will fail in its last position.

What are Nema Ratings?

NEMA stands for National Electrical Manufacturer Association. The ratings are standards that are useful in the types of environments in which an electrical enclosure can be used. In our case, this is the term used to rate the housing enclosure on our positioner.

Our housing is Nema 4X rated. Nema ratings and area classifications for hazardous locations(usually covered by FM/CSA/Atex) are 2 separate approvals.

What is your return procedure?

We normally have a 20% restock fee. We also offer a dollar for dollar exchange in product. If there is a need to return something for evaluation, for example the I/P is reportedly not working, then we ask that you send in the RGA request form which can be found on our website or in your training manual and then we will issue a number for it to be sent back on.

What are your operating hours?

We are open Monday thru Friday, 8am to 5pm, CST.

Where can I find a list of mounting kits offered?

The list of mounting kits offered can be found on our website under the accessories tab, the list (by actuator) provided in your training manual or you can call and we can email to you. If you don't see the actuator you need please call us.

What are the things I can do to prevent oscillation?

First check and see if you have a dirty spool valve.
Then check to see if you have any leaks in your tubing.
Last confirm that your actuator is sized correctly.

Where can I find the Glossary of Terms?

This can be found in your training manual.

What brand of Valve or Actuator will your positioner fit?

Please see our mounting kit list provided on our website or in your training manual.

Will a double acting work on a single acting and visa versa?

You can use a double acting positioner for a single acting by plugging a port but you can-not use a single acting for a double acting.

What happens to a standard I/P unit upon loss of signal?

On a spring return application, the actuator determines the fail position.

On a double acting application, the unit fails to the zero position

What is the Cv value for your positioner?

Cv is used to calculate theoretical valve size under STABLE operating Delta P. A positioner only operates under a stable Delta P when the control valve is NOT moving. A positioner by design operates at constantly changing Delta P. Both Cv and SCFM are relatively inaccurate as they are based on this stable Delta P. SCFM is more useful for our purposes as actuator size/volume is measured in cubic feet or inches, not gallons.

Can a standard V100E/200E be converted to another type of Ip in the field?

Yes, both products can be converted to an IS, EX, FF, 0-10V, or GA unit with just the proper Ip adapter kit. The positioner doesn't have to be removed from the bracket/actuator to make this conversion.

Can a D400 be converted to D400EX or D400IS in the field?

No-these are unique products that have to be switched to complete new units.

