



This precision 3 position system is available on Gate, Poppet and Rectangular Port Valves

- Eliminates All Conductance Controllers
- For Any Sputter or Plasma Etch System
- Available on Gate and Poppet Style Valves
- All Sizes From 2 to 24 Inch, ISO 63 to 600
- Electropneumatic, Uses Standard Shop Air
- Specify Any Voltage, 115 or 230 VAC, 24 VDC
- Repeats Position to $\pm .015$ Inch, 0.4 mm
- Adjust Throttle At Vacuum or Atmosphere

The Vacuum Research 3 Position Valve System was developed for use on sputter, plasma etch and other vacuum systems where it is desirable to reduce pumping speed to conserve gas and simplify pressure control. By utilizing the high vacuum valve for throttling the cost and maintenance of mechanical conductance controllers is completely eliminated. Even in the full open position all conductance controllers restrict pumping speed and this restriction can now be eliminated.

This precision 3 position system can be provided on Vacuum Research Poppet Valves, Rectangular Port Valves and Gate Valves with end-operated linear actuators. It is suitable for valves with port sizes from 2 inch to 24 inch, ISO-63 to ISO-600. The system can be provided on either aluminum or stainless steel valves.

The "3 POS" system consists of position indicators for full open and full closed plus a third position indicator for the throttle position. This throttle position indicator may be adjusted with a screw driver without any valve disassembly and with the valve either open or closed.

Ordering Information

To order this feature on a Vacuum Research Valve, add the suffix "3 POS" to the valve model number, and specify solenoid voltage of 115 V, 50/60 Hz; 230 V, 50 Hz or 24 VDC. Air pressure required is 70 PSI (5 kg/cm²)

Add to Valve Price.....\$365.

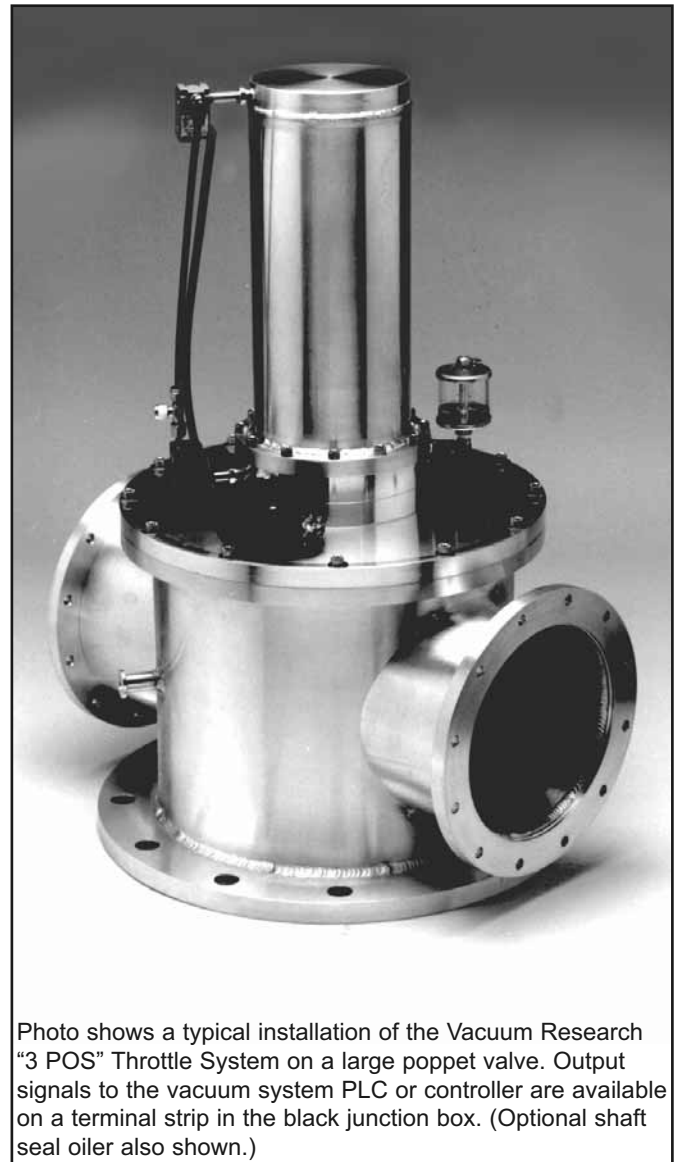


Photo shows a typical installation of the Vacuum Research "3 POS" Throttle System on a large poppet valve. Output signals to the vacuum system PLC or controller are available on a terminal strip in the black junction box. (Optional shaft seal oiler also shown.)

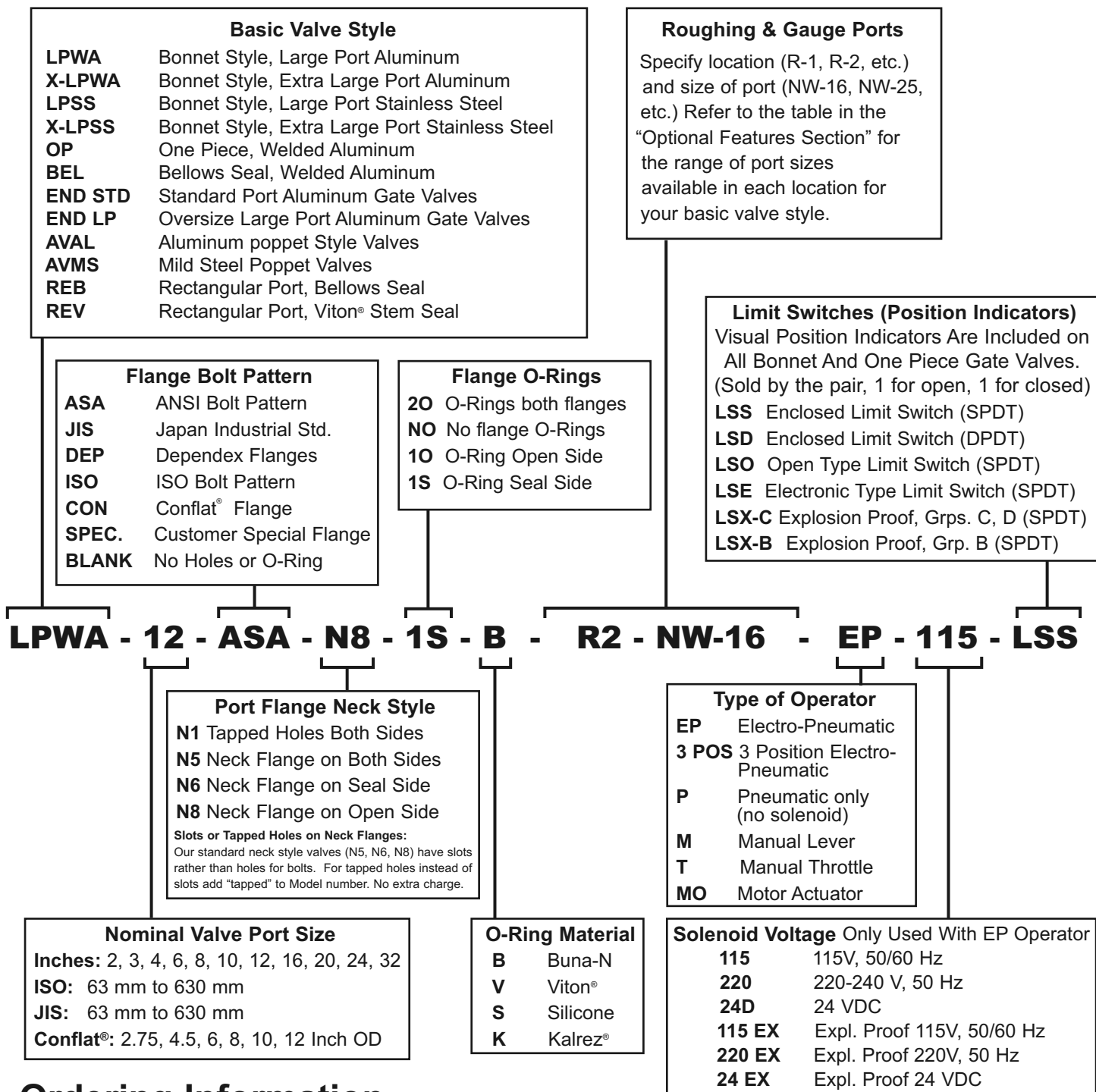


Model Numbering System

VRC Valves are
Manufactured in
the USA.



Vacuum Research valves are available with dozens of options to allow you to select exactly the features you need for your vacuum system. The model number system illustrated below will accurately describe most valves, but if you have any questions about the best way to specify what you need, just call or fax our customer service department and we will be happy to help you. All Valves (RoHS) 2002/95/EC Compliant.



Ordering Information



Call our toll free number (800) 426-9340, or (412) 261-7630 to place orders, or for customer service. Our FAX number is (412) 261-7220. Address orders by mail to Vacuum Research Corporation,



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