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 are (RoHS) 2002/95/EC Compliant.

Basic Valve Style
- **LPWA**: Bonnet Style, Large Port Aluminum
- **TBWA**: Thick Body Valves for Dirty Environments
- **X-LPWA**: Bonnet Style, Extra Large Port Aluminum
- **LPSS**: Bonnet Style, Large Port Stainless Steel
- **X-LPSS**: Bonnet Style, Extra Large Port Stainless Steel
- **BEL**: Bellows Seal, Welded Aluminum

Roughing & Gauge Ports
Specify location (R-1, R-2, etc.) and size of port (NW-16, NW-25, etc.)
Refer to page 42 in this catalog: Roughing and Gauge Ports, for the range of port sizes available in each location for your basic valve style.

Flange Bolt Pattern
- **ASA**
- **CF**
- **CF-MET**
- **JIS**
- **DEP**
- **ISO**
- **SPEC**
- **BLANK**

Flange O-Rings
- **2O** O-Rings both flanges
- **NO** No flange O-Rings
- **1O** O-Ring Open Side
- **1S** O-Ring Seal Side

Nominal Valve Port Size
- **Inches**: 2, 3, 4, 6, 8, 10, 12, 16, 20, 24, 32
- **ISO**: 63 mm to 630 mm
- **JIS**: 63 mm to 630 mm
- **Conflat®**: 2.75, 4.5, 6, 8, 10, 12 Inch OD

O-Ring Material
- **B**: Buna-N
- **V**: Viton®
- **S**: Silicone
- **K**: Kalrez®

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, 100 Chapel Harbor Drive, #4, Pittsburgh, PA 15238 USA. Prices in this catalog are FOB factory. CIF or C&F prices available. Contact factory for pro forma invoice or price quotation. Terms are Net 30 Days.

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VRC Valves are Manufactured in the USA.