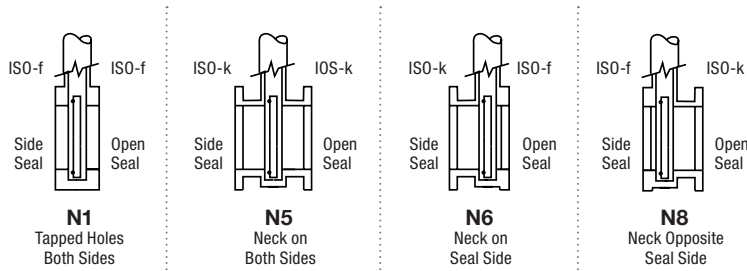




- Less Outgassing Than Stainless, See Page 40
- Simple End Operated Air Cylinder
- Over 100,000 Cycles Without Maintenance
- Helium Tested to 5×10^{-10} scc/s
- All Valves (RoHS) 2015/863/EU Compliant
- Flanges to Your Beam Line
- Closing Speeds as Fast as 75 mSec. Available
- Optional Operation to 10 Bar, 147 PSIG; \$339
- Optional Remote Position Indicators
- NW & Compression Gauge & Roughing Ports
- Automatic Closure on Power Failure



ISO Port Size	Model No. Dimensions in Inches	Port Diam.	Flange O.D.	Bolt Circle	(no of bolts) size - pitch	A Flange to Flange	B mm	C mm	List Price
NW-50	END ISO NW-40	50	Not applicable. STD. NW-40			95	159	187	\$1,462
NW-50	END ISO NW-50	50	Not applicable. STD. NW-50			95	159	187	\$1,527
63 mm	END ISO 63, N1, both sides ISO-f	70	130	110	(4) M 8-1.25	80	159	187	\$1,595
	END ISO 63, N5, both sides ISO-k	70	95	110	No bolts, ISO-k	105	159	187	\$1,928
	END ISO 63, N6 & N8, ISO-f & ISO-k	70	130/95	110	(4) M 8-1.25	90	159	187	\$1,751
100 mm	END ISO 100, N1, both sides ISO-f	102	165	145	(8) M 8-1.25	95	213	239	\$2,548
	END ISO 100, N5, both sides ISO-k	102	130	145	No bolts, ISO-k	127	213	239	\$2,815
	END ISO 100, N6 & N8, ISO-f & ISO-k	102	165/130	145	(8) M 8-1.25	111	213	239	\$2,712
160 mm	END ISO 160, N1, both sides ISO-f	153	225	200	(8) M 10-1.25	105	289	296	\$2,762
	END ISO 160, N5, both sides ISO-k	153	1180	200	No bolts, ISO-k	143	289	296	\$3,104
	END ISO 160, N6 & N8, ISO-f & ISO-k	153	225/18	200	(8) M 10-1.5	127	289	296	\$2,975
200 mm	END ISO 200, N1, both sides ISO-f	213	285	260	(12) M 10-1.5	111	364	348	\$4,206
	END ISO 200, N5, both sides ISO-k	213	240	260	No bolts, ISO-k	155	364	348	\$4,847
	END ISO 200, N6 & N8, ISO-f & ISO-k	213	285/240	260	(12) M 10-1.5	127	364	348	\$3,549
250 mm	END ISO 250, N1, both sides ISO-f	261	335	310	(12) M 10-1.5	117	484	406	\$5,712
	END ISO 250, N5, both sides ISO-k	261	290	310	No bolts, ISO-k	219	484	406	\$6,194
	END ISO 250, N6 & N8, ISO-f & ISO-k	261	335/290	310	(12) M 10-1.5	168	484	406	\$5,917
320 mm	END ISO 320, N1, both sides ISO-f	318	425	395	(12) M 10-1.75	117	533	457	\$7,873
	END ISO 320, N5, both sides ISO-k	318	370	395	No bolts, ISO-k	219	533	457	\$8,104
	END ISO 320, N6 & N8, ISO-f & ISO-k	318	425/370	395	(12) M 10-1.75	168	533	457	\$7,984
400 mm	END ISO 400, N1, ISO-f both sides	400	510	480	(16) M 10-1.75	165	702	560	Contact
500 mm	END ISO 500, N1, ISO-f both sides	500	610	580	(16) M 10-1.75	203	908	730	Contact
600 mm	END ISO 600, N1, ISO-f both sides	630*	780	720	(20) M 10-1.75	216	978	851	Contact

ORDERING INFORMATION

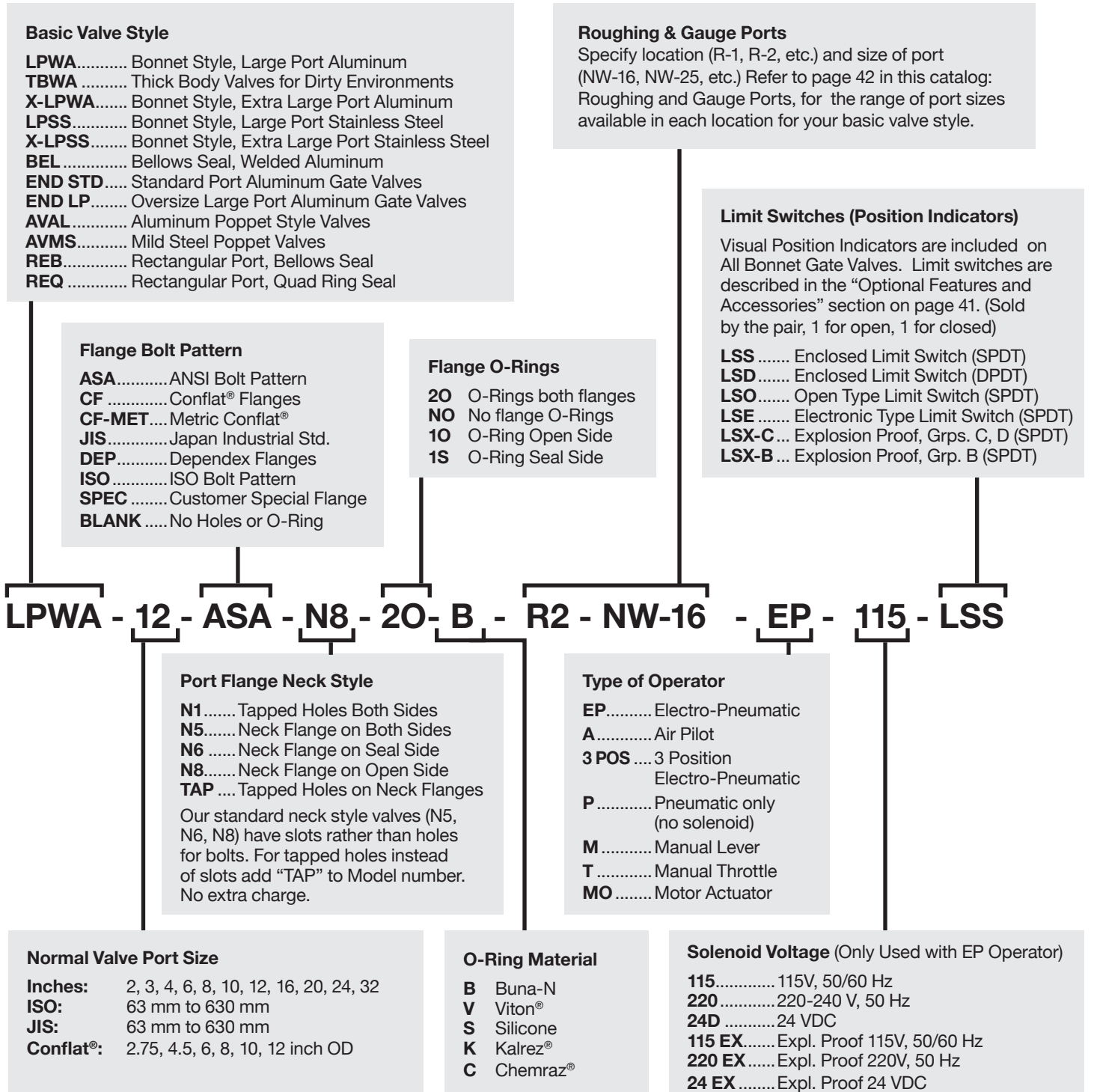
Model Number: Refer to page 2 for instructions on how to specify the features you need.

Position Indicators: Two reed switches activated by a magnet inside the pneumatic actuator provide closure for open and closed position. SPST contacts rated 0.5A @ 110 or 220 VAC non-inductive. Add LSE to

100 mm\$12



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) 2015/863/EU Compliant.



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.



Throttlemaster™ is a registered trademark of Vacuum Research Corporation • Kalrez® and Viton® are registered trademarks of Dupont Corp. • Conflat® is a registered trademark of Varian Associates • Chemraz® is a registered trademark of Green, Tweed & Co. • SolidWorks logo art property of Dassault Systèmes.