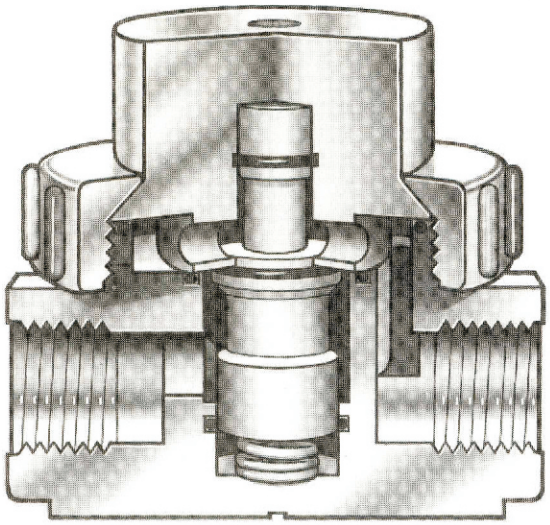


PATENT NO. 4,267,861

NLA

DESIGN FEATURES

The R-K NLA series no lube air valve features a compact thermoplastic valve available in six models for uses in which no lubrication is required or permitted in the valve and to handle a multitude of piping system functions.

This patented valve is designed so there is no metal contact with the fluid. Automatic fail-safe shut-off, and can be operated in any position.

Air actuated at 40 to 80 PSI.

Direct acting full flow with top entry for easy maintenance and minimum water hammer.

Suitable for most harsh chemicals, DI water and other high purity applications.

NO LUBE AIR VALVE

SPECIFICATIONS

Operating Pressure Range		Vacuum to 150 PSIG
Material	Valve Body	PVC Type 1, Grade 1 Polypropylene PVDF Teflon
	Seal	EPDM VITON KALREZ
Temperature Range		0 F to 140 F for PVC 0 F to 180 F for POLYPRO 0 F to 280 F for PVDF 0 F to 340 F for TEFLON
Valve ports		1/4" to 1" Valve FNPT 1.5" to 2" Valve MPT All valves are fully ported

Valve Types:

Type 1: Normally Closed
Type 2: Normally Open
Type 3: Air to open - Air to close (No spring action)
Type 4: Bottom flow control (has an adjusting screw located on bottom to limit the flow, apply air to open to pre-set flow rate; air off, valve returns to normally close position)
Type 5: Top flow control (an adjusting screw located on top to permit a constant pre-set flow, apply air to full flow, air off to return to pre-set flow)
Type 6: Top and Bottom flow control (combination of Type 4 and Type 5)

Mounting Method	(4) 1/4" -20 tapped holes for standard machined valve body. (1/4" to 1.00") (2) cut-out slots on molded valve body (1/2" to 1.00")

ORDER INFORMATION

The chart below will specify R - K standard valves regarding valve size, valve material, and seal material. For special orders, please consult the factory for pricing and delivery information.

NLA - X X X - X X - X

VALVE SIZE

25 = 1/4"
50 = 1/2"
75 = 3/4"
100 = 1.0"
150 = 1.5"
200 = 2.0"

MATERIAL

1 = PVC
2 = POLYPRO
3 = PVDF
4 = TEFLON
5 = OTHER (Please specify)

SEALS

E = EPDM
V = VITON
K = KALREZ
O = OTHER (Please specify)

X = MOLDED BODY

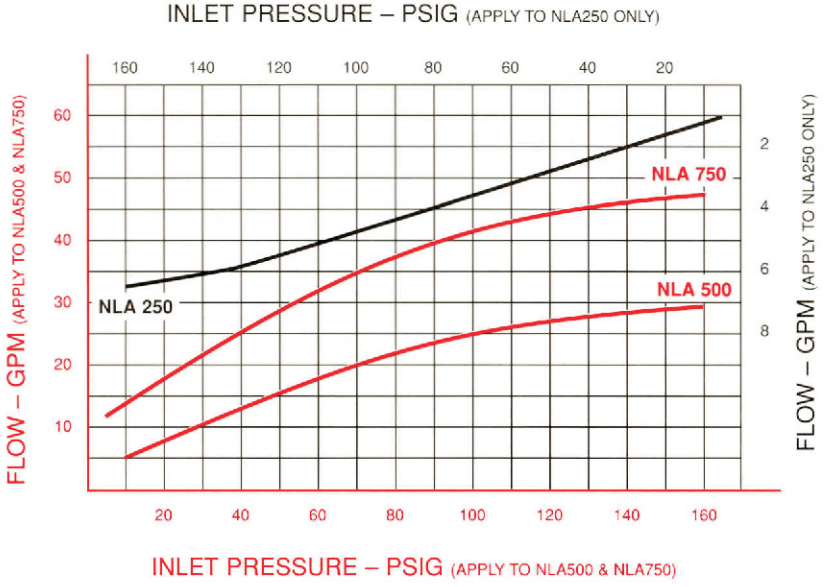
(1/2"-3/4"-1" ONLY)

VALVE TYPE

1 = NORMALLY CLOSED
2 = NORMALLY OPEN
3 = AIR TO OPEN/CLOSE
4 = BOTTOM FLOW CONTROL
5 = TOP FLOW CONTROL
6 = TOP AND BOTTOM FLOW CONTROL

R-K INDUSTRIES
1120 E. LOCUST STREET
ONTARIO, CA 91761
(909) 947-5227 - FAX: (909) 947-3039 - http://www.rkvalve.com

ENGINEERING & PERFORMANCE DATA



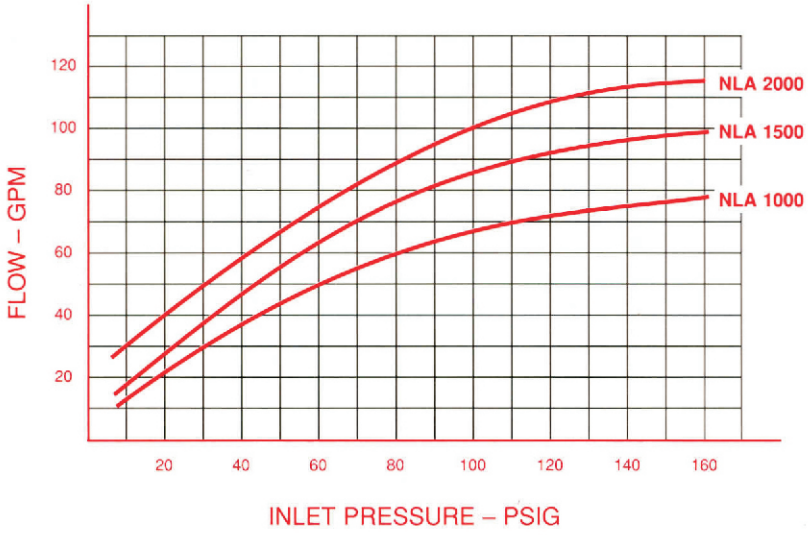
NOTES

DURING THE ASSEMBLY PROCESS, A SMALL AMOUNT OF DUPONT KRYTOX IS APPLIED TO ASSIST IN THE BREAK-IN OF MOVING PARTS, THEN CAREFULLY WIPED OFF PRIOR TO FINAL ASSEMBLY AND TESTING.

TEST DATA WAS PERFORMED WITH 68 DEGREE F WATER, AND 160 PSIG MAXIMUM PRESSURE.

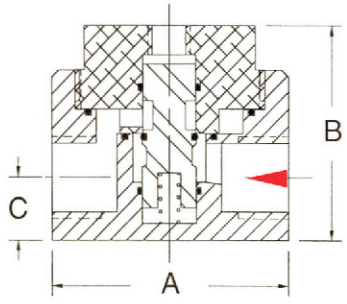
THESE PERFORMANCE CURVES WILL BE CHANGED WITH HIGHER VISCOSITY LIQUID AND/OR HIGHER TEMPERATURE.

CONSULT YOUR LOCAL SALES REP OR MANUFACTURER DIRECTLY FOR CUSTOM PRODUCTS OR SPECIAL APPLICATIONS.



DIMENSIONAL DATA

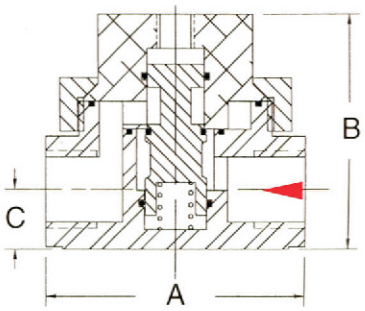
DIMENSIONS IN INCHES ( ) MOLDED BODY DIM



MACHINED BODY STYLE

Valve size	Ports	A	B	C	Cv
1/4"	FNPT	2.00	1.80	.5	.58
1/2"	FNPT	3 (2.9)	2.5 (2.4)	.7 (.7)	2.42
3/4"	FNPT	3.5 (3.3)	3 (2.8)	.9 (.7)	3.28
1.0"	FNPT	4 (3.9)	3.5 (3.3)	1.1 (.9)	4.32
1.5"	MPT	5.0	4.7	1.5	16.1*
2.0"	MPT	6.0	5.5	1.7	21.7*

(*) Cv value @ 150 GPM



MOLDED BODY STYLE

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