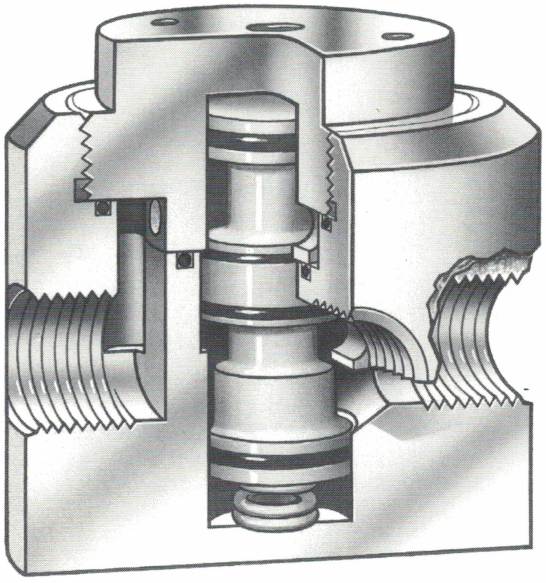
DAV



PATENT NO. 4,267,861

DESIGN FEATURES

The R-K DAV series divertor air valve features a 3 way valve with multiple use capabilities. It can be used to direct the flow, combine the flow or be used as an exhaust valve. When installed in the system, flow will be directed from C port to N/O port, when air pressure is applied, flow will be from C to N/C port. When used to combine the flow, it will be from N/O to C (refer to dimensional drawing) and when air is applied, flow will be from N/C to C. When used as an exhaust valve, flow will be from N/C to C with air applied and from C to N/O when air pressure is relieved. This patented valve is designed so there is no metal contact with the fluid.

Direct acting full flow and top entry for easy maintenance.

Two valves can be used together as 4-way valve.

Available in two styles: Type 1: air to open and a spring to close
Type 2: air to open and air to close

DIVERTOR AIR VALVE

SPECIFICATIONS

Operating Pressure		Vacuum to 150 PSIG
Air Actuating Pressure		40 to 80 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
Mounting method	(4) 1/4" -20 tapped holes for standard machined valve body. (1/4" 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.

DAV - 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"

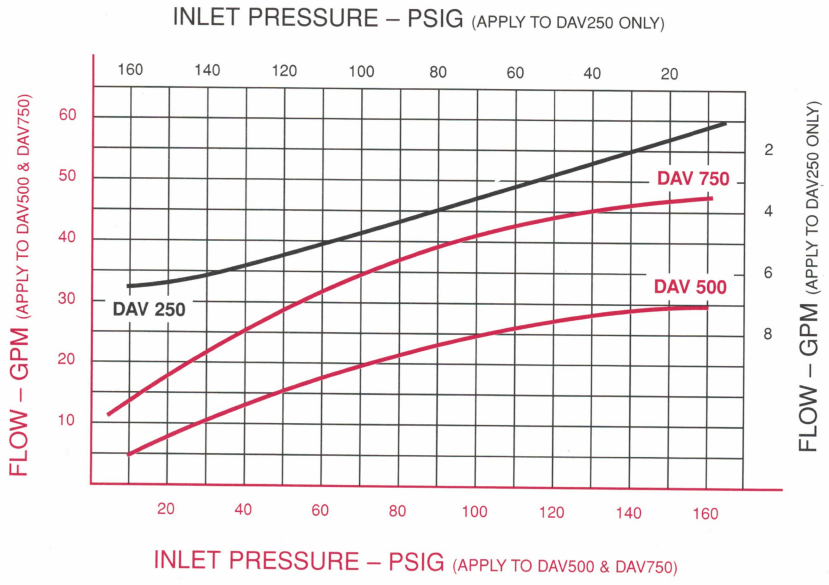
MATERIAL
1 = PVC
2 = POLYPRO
3 = PVDF
4 = TEFLON
5 = OTHER (Please specify)

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

TYPE
1 = AIR OPEN/SPRING CLOSE
2 = AIR OPEN/AIR CLOSE

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

ENGINEERING & PERFORMANCE DATA

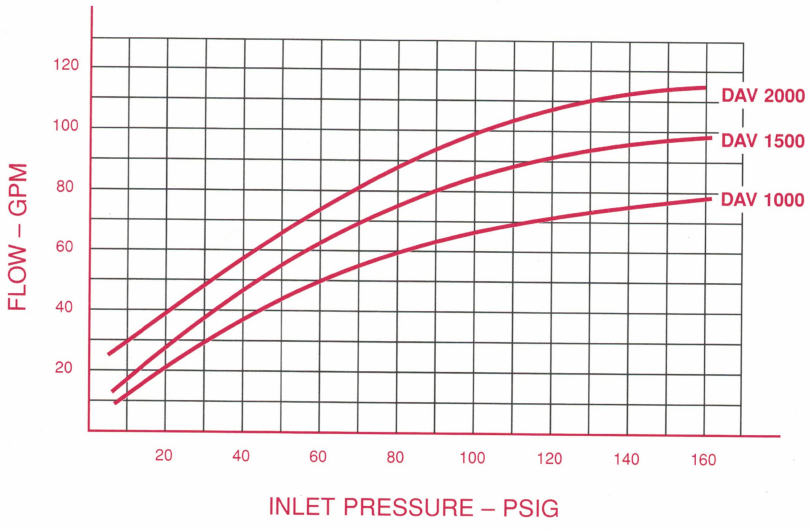


NOTES

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.

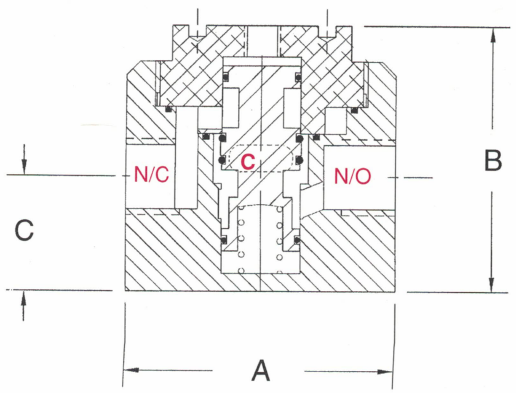


DIMENSIONAL DATA

DIMENSIONS IN INCHES

Valve size	Ports	A	B	C	Cv
1/4"	FNPT	2.00	2.00	.7	.58
1/2"	FNPT	3.00	3.00	1.2	2.84
3/4"	FNPT	3.50	3.50	1.3	4.14
1.0"	FNPT	4.00	4.40	1.6	5.86
1.5"	MPT	5.00	6.20	2.4	16.7*
2.0"	MPT	6.00	6.80	2.8	22.3*

(*) Cv value @ 150 GPM



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