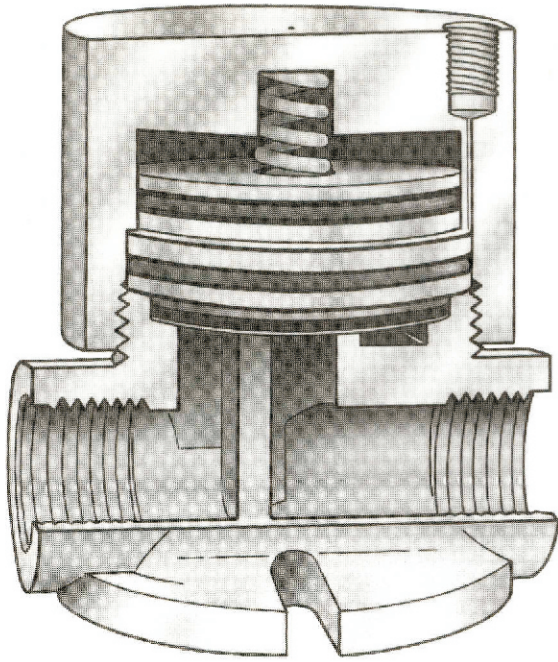


DDV



DESIGN FEATURES

The R-K DDV series direct operating diaphragm valve features a compact thermoplastic valve designed for most harsh chemicals, DI water and high purity applications.

Double diaphragms (primary: Teflon, back-up: reinforced EPDM)

Pneumatic control to open and spring to close

No metal contact with fluid

High Cv rating

Direct acting full flow with top entry for easy maintenance and minimum water hammer. The standard valve is normally closed (apply air to open). Normally open valve is also available upon request.

DIRECT OPERATING DIAPHRAGM VALVE

SPECIFICATIONS

Operating Pressure Range	10 to 100 PSIG	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
Air actuating pressure	25 to 80 PSIG	Valve ports	1/4" to 1" Valve FNPT All valves are fully ported
Material	Valve Body PVC Type 1, Grade 1 Polypropylene PVDF Teflon	Mounting method	(4) 1/4" -20 tapped holes for standard machined valve body. (1/4" only) (2) cut-out slots on molded valve body. (1/2" to 1.00")
	Diaphragm Primary: Teflon Back-up: EPDM		
	Seal EPDM VITON KALREZ		

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.

DDV - X X X - X - X

VALVE SIZE

25 = 1/4"
50 = 1/2"
75 = 3/4"
100 = 1.0"

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)

R-K INDUSTRIES

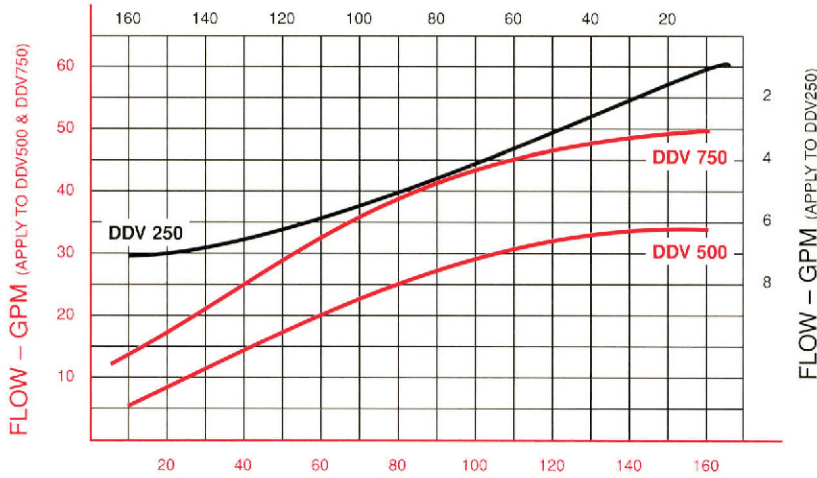


1120 E. LOCUST STREET
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ENGINEERING & PERFORMANCE DATA

INLET PRESSURE – PSIG (APPLY TO DDV250)



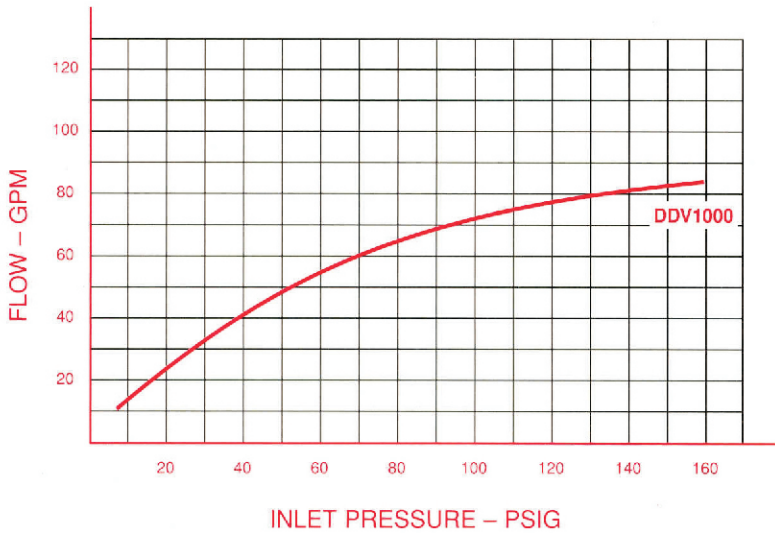
NOTES

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.

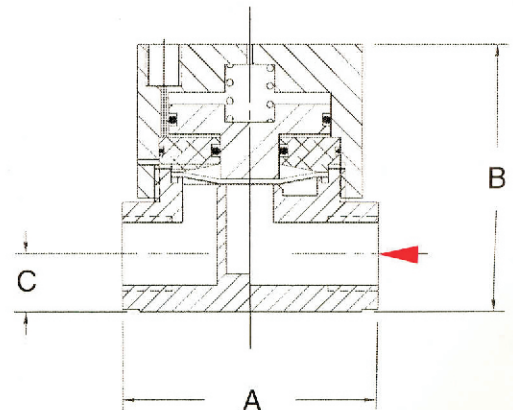
INLET PRESSURE – PSIG (APPLY TO DDV500 & DDV750)



DIMENSIONAL DATA

DIMENSIONS IN INCHES () MOLDED BODY DIM

Valve size	Ports	A	B	C	Cv	Back Press	Min. Air Press.
1/4"	FNPT	1.50	2.00	0.38	1.82	40	25
1/2"	FNPT	(2.9)	(2.96)	(0.70)	3.68	80	30
3/4"	FNPT	(3.3)	(3.62)	(0.80)	5.76	80	40
1.0"	FNPT	(3.9)	(4.97)	(0.90)	9.13	60	40



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