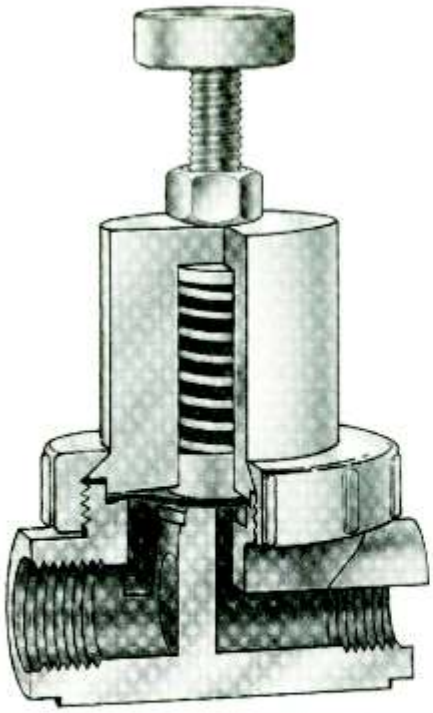


DRV

DESIGN FEATURES

The R-K DRV series low pressure diaphragm relief valve is designed for low pressure applications with no back pressure to release excess up-stream pressure on the piping, storage tank and/or system due to pressure surges, vaporizing, or heat reaction.

Adjustable screw and lock-nut makes it easy to accurately pre-set relief pressure.

Teflon (primary) and EPDM (back-up) diaphragms.

This pressure relief valve is designed to keep the stainless steel spring totally isolated from the fluid chamber insuring no metal contact with the fluid.

Working pressure range from 5 to 25 PSI

Top entry and parallel inlet and outlet ports to facilitate installation and avoid piping problems.

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

LOW PRESSURE DIAPHRAGM RELIEF VALVE

SPECIFICATIONS

Upstream Pressure		Vacuum to 150 PSIG	
Relief Pressure		5 to 25 PSIG For lower pressure relief requirements consult factory	
Material	Valve Body	PVC Type 1, Grade 1	
		Polypropylene	
		PVDF	
		Teflon	
	Diaphragm	Primary	TEFLON
		Back-up	EPDM

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	1/2" to 1" Valve FNPT All valves are fully ported
Mounting method	(2) cut-out slots on molded valve body

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.

DRV - X X X - T X

VALVE SIZE

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

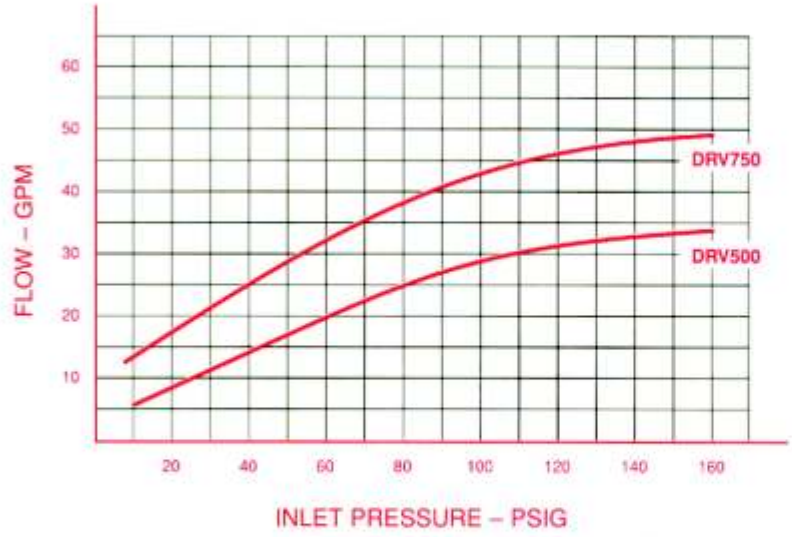
MATERIAL

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

X = MOLDED BODY

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

ENGINEERING & PERFORMANCE DATA



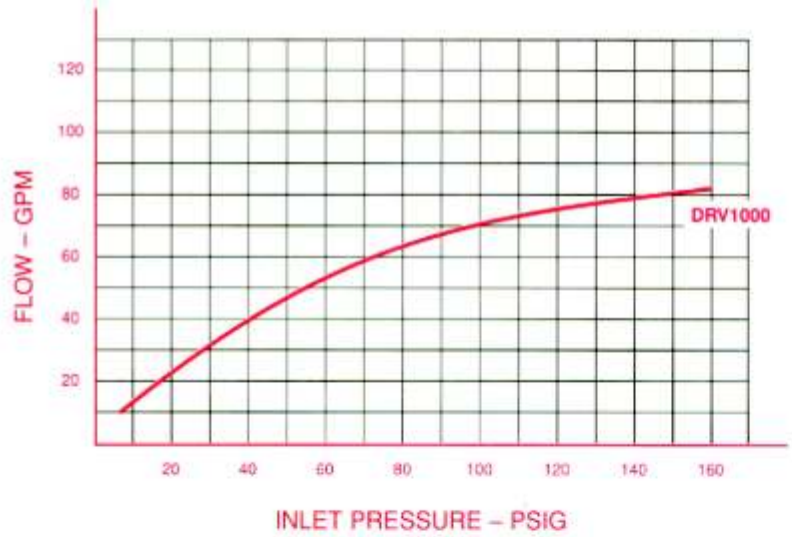
NOTES

THE PERFORMANCE CURVES SHOW THE FLOW RATE OF DRV VALVES WITH THE VALVE FULLY OPEN AND 100% FLOW THRU THE VALVE. THESE CURVES WILL CHANGE DEPENDING ON THE FLOW THROUGH THE SYSTEM AT EACH DIFFERENT SET POINT.

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.

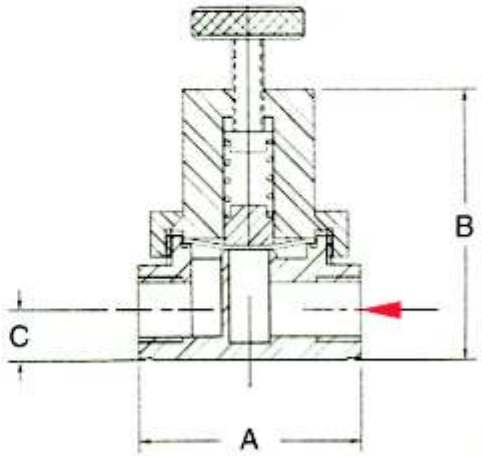
CONSULT YOUR LOCAL SALES REP OR MANUFACTURER DIRECTLY FOR CUSTOM PRODUCTS OR SPECIAL APPLICATIONS.



DIMENSIONAL DATA

DIMENSIONS IN INCHES

Valve size	Ports	A	B	C	Cv
1/2"	FNPT	2.9	2.96	0.70	3.68
3/4"	FNPT	3.3	3.62	0.80	5.76
1.0"	FNPT	3.9	4.97	0.90	9.13



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