



DPR

DESIGN FEATURES

The R-K DPR series diaphragm pressure regulator is designed to be more sensitive to pressure changes while protecting piping systems. This pressure reducing valve is designed to provide excellent flow ratios over a wide pressure range.

Teflon (primary) and EPDM (back-up) diaphragms are ideal for DI water or other ultra pure applications.

Adjustable screw and lock-nut makes pre-set downstream pressure more precise and accurate.

Wide working pressure range (5 to 100 PSIG)

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

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

It is ideally suitable for most harsh chemicals, DI water, and other high purity applications.

DIAPHRAGM PRESSURE REGULATOR

SPECIFICATIONS

Upstream Pressure	Vacuum to 150 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
Regulated Pressure	5 to 100 PSIG 1-100 PSIG (1/4" only)	Valve ports	1/4" to 1" Valve FNPT 1.5" to 2" Valve MPT 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" to 1.00")
	Seal EPDM VITON KALREZ		
Primary diaphragm	Teflon		
Back-up diaphragm	EPDM		

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.

DPR - X X X - X		
VALVE SIZE	MATERIAL	SEALS
25 = 1/4"	1 = PVC	E = EPDM
50 = 1/2"	2 = POLYPRO	V = VITON
75 = 3/4"	3 = PVDF	K = KALREZ
100 = 1.0"	4 = TEFLON	O = OTHER (Please specify)
150 = 1.5"	5 = OTHER (Please specify)	
200 = 2.0"		

R-K INDUSTRIES

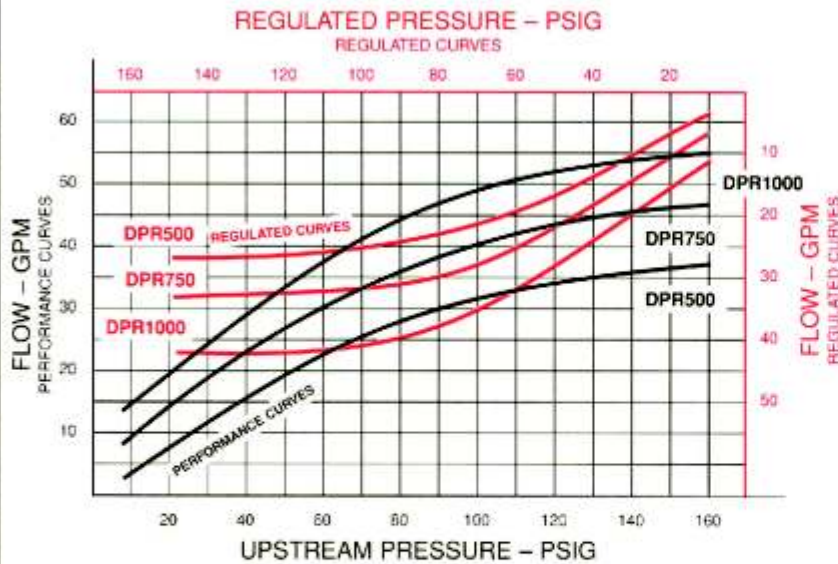


1120 E. LOCUST STREET

ONTARIO, CA 91761

(909) 847-5227 • FAX: (909) 847-3038 • <http://www.rkvalve.com>

ENGINEERING & PERFORMANCE DATA



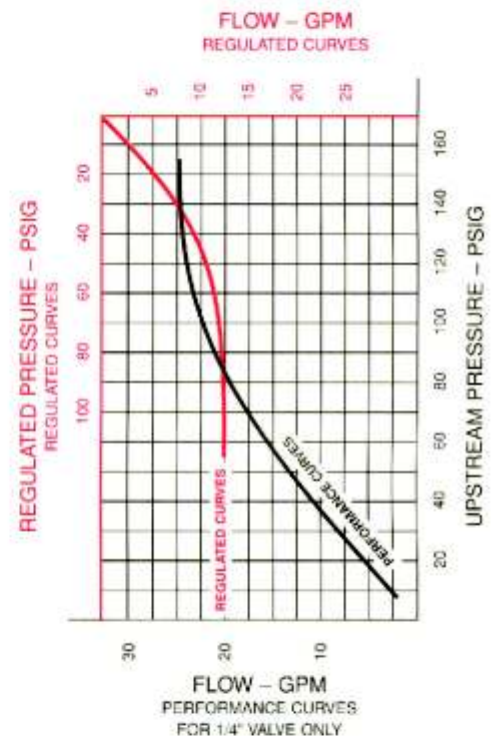
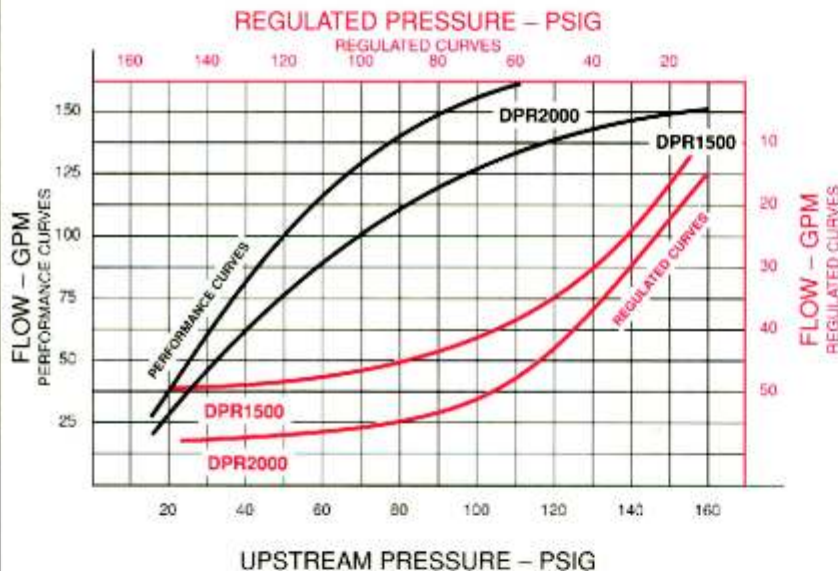
NOTES

PERFORMANCE CURVES SHOW THE FLOW RATE OF DPR VALVES WITH PISTON SEAL FULLY OPEN. REGULATED CURVES SHOW THE FLOW RATE OF DPR VALVES AT THE POINTS OF PRE-SET DOWNSTREAM PRESSURE.

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

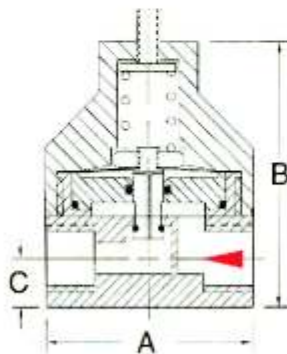
THESE PERFORMANCE CURVES WILL BE CHANGED WITH HIGHER VISCOSITY LIQUID AND/OR HIGHER TEMPERATURE.

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



DIMENSIONAL DATA

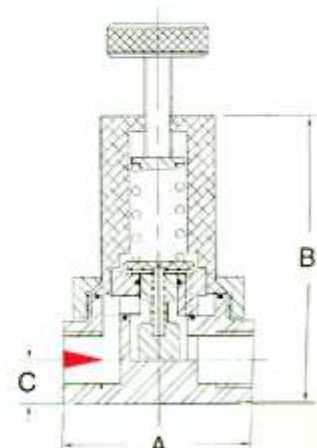
DIMENSIONS IN INCHES



1/4" STYLE

Valve size	Ports	A	B	C	Cv
1/4"	FNPT	1.6	2.1	.39	.72
1/2"	FNPT	3	4.2	.7	2.85
3/4"	FNPT	3.5	4.9	.9	4.67
1.0"	FNPT	4	5.4	1.1	6.84
1.5"	MPT	5.0	8.0	1.5	16.6*
2.0"	MPT	6.0	9.0	1.7	22.1*

(*) Cv value @ 150 GPM



1/2" to 2" STYLE

R-K INDUSTRIES



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