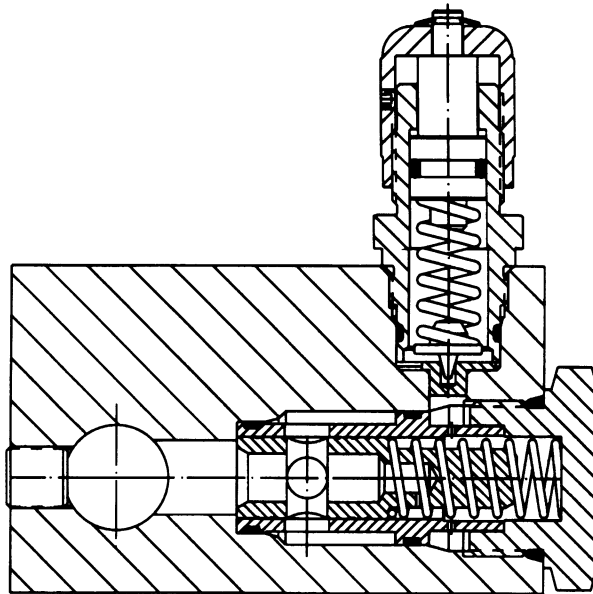


Catalog Series PR6701

Specifications



Service Applications:

Hydraulic oil.

Pressure Range:

Pressure Range	Maximum Primary Pressure	Regulated Secondary Pressure Range
1	2000 PSI	200 to 1200 PSI
2	3000 PSI	1000 to 3000 PSI
3	6000 PSI	3000 to 6000 PSI

Pressures:

Proof: Ranges 1, 2: 4500 PSI
Range 3: 9000 PSI

Burst: Ranges 1, 2: 7500 PSI
Range 3: 15,000 PSI

Temperature Range: -40° to 250° F.

Sizes: NPT: 1/4, 3/8, 1/2, 3/4.

Type Ports: NPT Pipe Threads.

Mounting: PR6701 — inline or panel.

Materials:

Body, Cap, Piston Sleeve,

Pilot Cap: Steel.

Pilot Knob: Aluminum.

Piston, Adjustable Stem,

Pilot Piston,

Pilot Seat: Stainless steel series 400.

O-Rings: Synthetic rubber.

Back-up Rings: PTFE.

Body Finish: Paint.

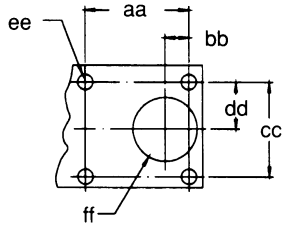
Features

- Recommended where limited reduced hydraulic pressure is required without using additional low pressure pump.
- Designed for up to 6000 PSI primary pressure.
- Maintains regulated pressure within $\pm 5\%$ under flow conditions.

Valve Size	Cv Factor Inlet to Inlet	Flow Rate GPM Max.	Maximum Pilot Flow to Tank	Weight
1/4	1.1	6	.18 GPM	4 Lbs. 12 Oz.
3/8	1.5	10	.10 GPM	5 Lbs. 6 Oz.
1/2	3.5	15	.21 GPM	7 Lbs.
3/4	4.5	25	.22 GPM	9 Lbs. 10 Oz.

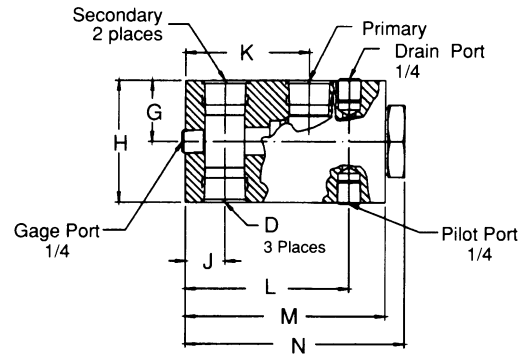
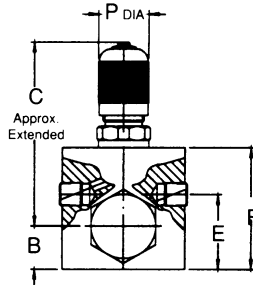
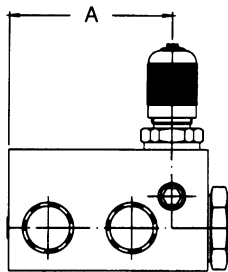
Dimensions

Panel Mounting Dimensions



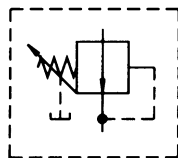
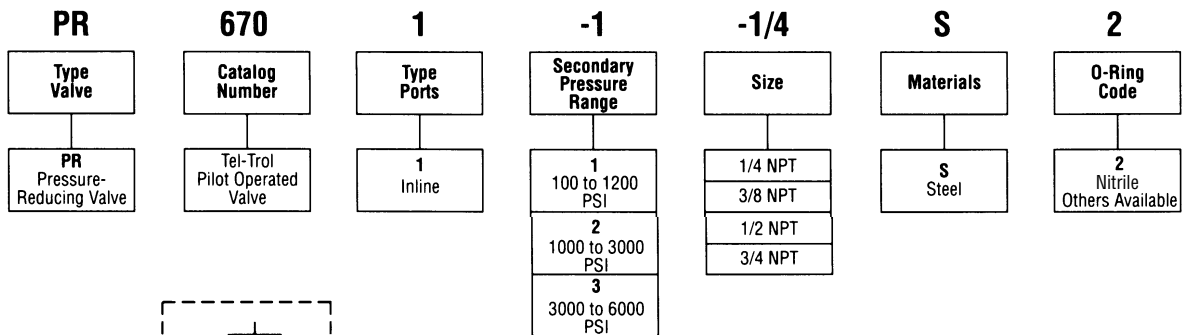
Panel Machining for Panel Mounted Valves

Valve Size	aa	bb	cc	dd	ee	ff	Mounting Threads
1/4	1.750	0.531	1.750	0.875	0.281	1.4375	1/4 - 20NC-2
3/8							
1/2							
3/4	2.312	0.531	2.125	1.062	0.343	1.4375	5/16 - 18NC-2



Valve Size	A	B	C	Port Type D	E	F	G	H	J	K	L	M	N	P
1/4	2.313	.750	4.000	1/4 NPT	1.313	2.375	1.187	2.375	.625	1.563	2.313	3.125	3.437	1.125
3/8	2.750	.750	4.000	3/8 NPT	1.313	2.375	1.187	2.375	.750	2.000	2.750	3.562	3.875	1.125
1/2	3.188	.968	4.156	1/2 NPT	1.688	2.750	1.125	2.250	.750	2.250	3.188	4.000	4.437	1.125
3/4	3.688	.968	4.156	3/4 NPT	1.688	2.750	1.375	2.750	.891	2.781	3.688	4.500	4.937	1.125

Interpretation of Valve Number



ANSI Symbol

repcat-f.p65, dd, fn