

All Metal Construction, Self Contained
Sizes 1/4" - 4"

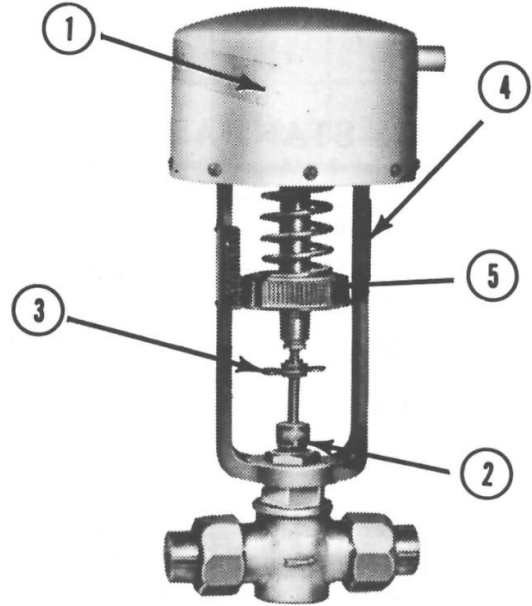
FEATURES

1. Large two-ply seamless Robertshaw bellows for long life.
2. Chevron "Lifetime" stem packing made of Teflon*.
3. Quick-detach valve stem construction permits easy valve change without disturbing adjustments.
4. Sturdy cast iron frame.
5. Handwheel-type setpoint adjustment . . . ball bearings make adjustments easy.
6. High quality components from single manufacturer.

*Registered trade name of DuPont Company.

PRESSURE RANGES

Since the RP-1072 Series regulators are restricted to vacuum applications, the range of pressures under control cannot vary beyond 0 psig and -14.7 psig. The values tabulated below in the column headed "Maximum Controlled Pressure" are applicable to the corresponding valve size and type tabulated when the adjusting spring is fully expanded. Similarly, "Minimum Controlled Pressures" apply to the valve size and type indicated when the adjusting spring is fully compressed. The actual adjustable range varies slightly from one valve size to another.



RP-1072-CI - Vacuum Regulator
RP-1072-DI - Vacuum Relief Valve

Regulator No. RP-1072-CI

(Reverse-Acting Valve, Closes on Vacuum Increase)

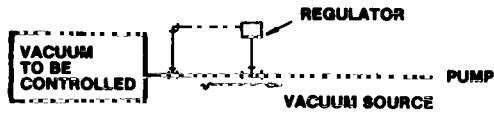
Valve Port Size, In.	Valve Type	Maximum Controlled Pressure, PSIG (see above)	Minimum Controlled Pressure, PSIG (see above)	Pressure Differential for Full Valve Travel, PSI
1/4	A	- 0.9	- 14.0	1.5
3/8	A	- 1.1	- 14.5	1.8
1/2	A	- 1.3	- 14.6	2.2
3/4	A	- 1.8	- 14.7	2.9
1	A	- 2.2	- 14.7	3.7
1 1/4	A	- 2.8	- 14.7	4.3
1 1/2	A	- 3.3	- 14.7	5.1
2	FA	- 2.2	- 14.7	3.7
2 1/2	FA	- 2.7	- 14.7	4.3
3	FA	- 3.1	- 14.7	5.1
4	FA	- 4.1	- 14.7	6.6

Regulator No. RP-1072-D1

(Direct-Acting Valve, Opens on Vacuum Increase)

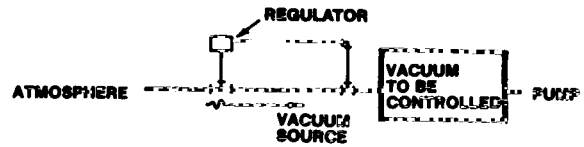
Valve Port Size, In.	Valve Type	Maximum Relief Pressure, PSIG	Minimum Relief Pressure, PSIG	Pressure Differential for Full Valve Travel, PSI
1/4	A	- 0.1	- 14.7	1.5
3/8	A	- 0.1	- 14.7	1.8
1/2	A	- 0.1	- 14.7	2.2
3/4	A	- 0.1	- 14.7	2.9
1	A	- 0.1	- 14.7	3.7
1 1/4	MA	- 0.1	- 14.7	4.3
1 1/2	MA	- 0.1	- 14.7	5.1
2	MA	- 0.1	- 14.7	3.7
2 1/2	FA	- 0.1	- 14.7	4.3
3	FA	- 0.1	- 14.7	5.1
4	FA	- 0.1	- 14.7	6.6

TYPICAL INSTALLATIONS



Typical installation of a vacuum regulator showing feeler pipe connection. Feeler pipe is connected to the controlled vacuum side at a point where control is desired.

Vacuum Regulator RP-1072-C1



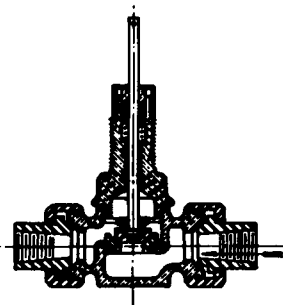
Typical installation of a vacuum relief valve. The feeler pipe is connected to the controlled vacuum or vacuum source side at a point where control is desired.

Vacuum Relief Valve RP-1072-D1

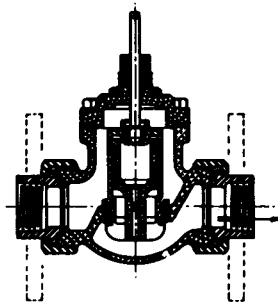
DESCRIPTION OF STANDARD REGULATORS

Regulator No.	RP-1072-CI, DI	
Valve See Valve Spec. Sheet for further valve description	Action	RP-1072-CI, reverse-acting-closes on vacuum increase. RP-1072-D1, direct-acting-opens on vacuum increase.
	Sizes	1/4" through 4"
	Type	See dimension table
	Ends	1/4" through 1 1/2" Screwed unions 2" through 4", 125 lb. ANSI flanges
	Trim	Stainless steel on A, & MA valves; Bronze on FA valves
	Stem	St. St. Quick-detach type
	Stem Packing	Teflon chevrons, spring loaded
	Body	Bronze through 1 1/2" Cast iron 2" and above. (Bronze available)
	Body Rating	1/4" through 1 1/2", 250 psig 2" through 4", 125 psig
	Materials For parts other than listed above	Frame
Adjustment spring		Steel
Other parts		Non-ferrous metals
Pressure Connection	Location Size	Side of regulator head 1/4" NPT

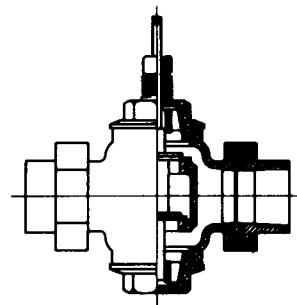
CATALOGED VALVES



Style A



Style MA

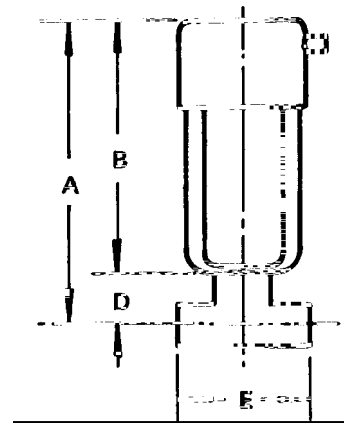


Style FA

NOTE: See Valve Specification Sheets for full details. Bronze valves are available in sizes 2" and larger.

DIMENSIONS

Dimensions tabulated below refer to standard valves.
 Substitution of other valves will affect dimensions A and D.



Regulator No. RP-1072-C1

Valve Type-Closes on Vacuum Increase	A	A	A	A	A	A	A	FA	FA	FA	FA
Valve Port Size, In	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
End Connections	Screwed Unions						Flanged, 125 lb. ANSI.				
A	13-3/4	13-3/4	13-3/4	14-1/4	14-1/4	14-13/16	15-1/4	15-11/16	15-13/16	16-1/16	16-13/16
B	12-3/16	12-3/16	12-3/16	12-3/16	12-3/16	12-3/16	12-3/16	12-3/16	12-3/16	12-3/16	12-3/16
D	1-9/16	1-9/16	1-9/16	2-1/16	2-1/16	2-5/8	3-1/16	3-1/2	3-5/8	3-7/8	4-5/8
E	4-3/4	4-3/4	4-3/4	6-3/16	6-1/2	7-15/16	8-11/16	7	7-3/4	8-5/8	10-1/4

Regulator No. RP-1072-D1

Valve Type-Opens on Vacuum Increase	A	A	A	A	A	MA	MA	MA	FA	FA	FA
Valve Port Size, In .	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
End Connections	Screwed Unions						Flanged, 125 lb. ANSI				
A	13-3/4	13-3/4	13-3/4	14-1/4	14-1/4	15-13/16	16-5/16	17-1/8	16-15/16	16-15/16	18
B	12-3/16	12-3/16	12-3/16	12-3/16	12-3/16	12-3/16	12-3/16	12-3/16	12-3/16	12-3/16	12-3/16
D	1-9/16	1-9/16	1-9/16	2-1/16	2-1/16	3-5/8	4-1/8	4-15/16	4-3/4	4-3/4	5-13/16
E	4-3/4	4-3/4	4-3/4	6-3/16	6-1/2	7-1/2	8-1/2	7	7-3/4	8-5/8	10-1/4

HOW TO ORDER:

When ordering,

specify:

1. Quantity
2. State Vacuum Regulator or Vacuum Relief Valve.
3. Regulator Number
4. Valve Size
5. Special features wanted
6. Full invoicing and shipping instructions.

Robertshaw

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