JOHNSON CONTROLS

Controls Group 507 E. Michigan Street
P.O. Box 423, Milwaukee, WI 53202
Code No. LIT-1900083

VG7000 Series

Brass Trim Globe Valves with MP82 Series Pneumatic Actuators

Brass Trim – For Hot/Chilled Water or 38 psig Saturated Steam

- industrial-grade, drawn-steel actuator fits VG7000 valves 1 through 2 in.
- corrosion-resistant, electro-painted finish
- effective diaphragm area: 25 sq in.
- controls – hot or chilled water, 38 psig saturated steam
- valve trim – brass
- maximum supply air pressure: 25 psig (172 kPa)
- fluid temperature: 35 to 284°F (2 to 140°C), 38 psig saturated steam
- valve body static pressure rating: ANSI Class 250
- factory or field assembly
- for optional V-9502-95 Positioner, change "00" at the end of the code number to "01"

To Order

Specify the code number from the selection chart.

Selection Chart

Actuator Code	1 and 1-1/4 in.		MP822C001A		MP822D001A		MP822E001A	
	1-1/2 and 2 in.		MP823C001A		MP823D001A		MP823E001A	
Spring Range			3 to 7 psig		4 to 8 psig		9 to 13 psig	
Valve	Size	Cv	Closeoff	Code Number	Closeoff	Code Number	Closeoff	Code Number
Two-Way Normally Open – NPT End Connections								
VG7241NT	1"	11.6	279	**VG7241NT+822C00**	257	**VG7241NT+822D00**	148	**VG7241NT+822E00**
VG7241PT	1-1/4"	18.5	170	**VG7241PT+822C00**	157	**VG7241PT+822D00**	90	**VG7241PT+822E00**
VG7241RT	1-1/2"	28.9	109	**VG7241RT+823C00**	100	**VG7241RT+823D00**	58	**VG7241RT+823E00**
VG7241ST	2"	46.2	70	**VG7241ST+823C00**	64	**VG7241ST+823D00**	37	**VG7241ST+823E00**
Two-Way Normally Closed – NPT End Connections								
VG7441NT	1"	11.6	70	**VG7441NT+822C00**	96	**VG7441NT+822D00**	223	**VG7441NT+822E00**
VG7441PT	1-1/4"	18.5	40	**VG7441PT+822C00**	55	**VG7441PT+822D00**	128	**VG7441PT+822E00**
VG7441RT	1-1/2"	28.9	25	**VG7441RT+823C00**	34	**VG7441RT+823D00**	79	**VG7441RT+823E00**
VG7441ST	2"	46.2	16	**VG7441ST+823C00**	21	**VG7441ST+823D00**	50	**VG7441ST+823E00**
Three-Way Mixing – NPT End Connections								
VG7842NT	1"	11.6	279 / 70	**VG7842NT+822C00**	257 / 96	**VG7842NT+822D00**	148 / 223	**VG7842NT+822E00**
VG7842PT	1-1/4"	18.5	170 / 40	**VG7842PT+822C00**	157 / 55	**VG7842PT+822D00**	90 / 128	**VG7842PT+822E00**
VG7842RT	1-1/2"	28.9	109 / 25	**VG7842RT+823C00**	100 / 34	**VG7842RT+823D00**	58 / 79	**VG7842RT+823E00**
VG7842ST	2"	46.2	70 / 16	**VG7842ST+823C00**	64 / 21	**VG7842ST+823D00**	37 / 50	**VG7842ST+823E00**

The performance specifications are nominal and conform to acceptable industry standards. For applications at conditions beyond these specifications, consult the local Johnson Controls office. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products.

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