

VG7000 Series

Stainless Steel Trim Globe Valves with MP82 Series Pneumatic Actuators



Stainless Steel Trim – For Hot/Chilled Water or 100 psig Saturated Steam

- industrial-grade, drawn-steel actuator
- corrosion-resistant, electro-painted finish
- effective diaphragm area: 25 sq in.
- controls – hot or chilled water, 100 psig saturated steam
- valve trim – stainless steel
- packing – spring-loaded PTFE and elastomer V-rings

- maximum supply air pressure: 25 psig (172 kPa)
- fluid temperature: 35 to 338°F (2 to 170°C), 100 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			MP821C001B (1/2 and 3/4 in.) MP822C001A (1 and 1-1/4 in.) MP823C001A (1-1/2 and 2 in.)	MP821D001B (1/2 and 3/4 in.) MP822D001A (1 and 1-1/4 in.) MP823D001A (1-1/2 and 2 in.)	MP821E001B (1/2 and 3/4 in.) MP822E001A (1 and 1-1/4 in.) MP823E001A (1-1/2 and 2 in.)			
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								
VG7243CT	1/2"	0.73	308	VG7243CT+821C00	308	VG7243CT+821D00	308	VG7243CT+821E00
VG7243ET	1/2"	1.8	308	VG7243ET+821C00	308	VG7243ET+821D00	308	VG7243ET+821E00
VG7243GT	1/2"	4.6	308	VG7243GT+821C00	308	VG7243GT+821D00	275	VG7243GT+821E00
VG7243LT	3/4"	7.3	308	VG7243LT+821C00	304	VG7243LT+821D00	175	VG7243LT+821E00
VG7243NT	1"	11.6	209	VG7243NT+822C00	193	VG7243NT+822D00	111	VG7243NT+822E00
VG7243PT	1-1/4"	18.5	128	VG7243PT+822C00	118	VG7243PT+822D00	68	VG7243PT+822E00
VG7243RT	1-1/2"	28.9	82	VG7243RT+823C00	75	VG7243RT+823D00	43	VG7243RT+823E00
VG7243ST	2"	46.2	52	VG7243ST+823C00	48	VG7243ST+823D00	28	VG7243ST+823E00
Two-Way Normally Closed — NPT End Connections								
VG7443CT	1/2"	0.73	280	VG7443CT+821C00	308	VG7443CT+821D00	308	VG7443CT+821E00
VG7443ET	1/2"	1.8	280	VG7443ET+821C00	308	VG7443ET+821D00	308	VG7443ET+821E00
VG7443GT	1/2"	4.6	135	VG7443GT+821C00	183	VG7443GT+821D00	308	VG7443GT+821E00
VG7443LT	3/4"	7.3	81	VG7443LT+821C00	109	VG7443LT+821D00	252	VG7443LT+821E00
VG7443NT	1"	11.6	53	VG7443NT+822C00	72	VG7443NT+822D00	168	VG7443NT+822E00
VG7443PT	1-1/4"	18.5	30	VG7443PT+822C00	41	VG7443PT+822D00	96	VG7443PT+822E00
VG7443RT	1-1/2"	28.9	19	VG7443RT+823C00	25	VG7443RT+823D00	59	VG7443RT+823E00
VG7443ST	2"	46.2	12	VG7443ST+823C00	16	VG7443ST+823D00	37	VG7443ST+823E00
Three-Way Mixing — NPT End Connections								
VG7844CT	1/2"	0.73	308 / 280	VG7844CT+821C00	308 / 308	VG7844CT+821D00	308 / 308	VG7844CT+821E00
VG7844ET	1/2"	1.8	308 / 280	VG7844ET+821C00	308 / 308	VG7844ET+821D00	308 / 308	VG7844ET+821E00
VG7844GT	1/2"	4.6	308 / 135	VG7844GT+821C00	308 / 183	VG7844GT+821D00	275 / 308	VG7844GT+821E00
VG7844LT	3/4"	7.3	308 / 81	VG7844LT+821C00	304 / 109	VG7844LT+821D00	175 / 252	VG7844LT+821E00
VG7844NT	1"	11.6	209 / 53	VG7844NT+822C00	193 / 72	VG7844NT+822D00	111 / 168	VG7844NT+822E00
VG7844PT	1-1/4"	18.5	128 / 30	VG7844PT+822C00	118 / 41	VG7844PT+822D00	68 / 96	VG7844PT+822E00
VG7844RT	1-1/2"	28.9	82 / 19	VG7844RT+823C00	75 / 25	VG7844RT+823D00	43 / 59	VG7844RT+823E00
VG7844ST	2"	46.2	52 / 12	VG7844ST+823C00	48 / 16	VG7844ST+823D00	28 / 37	VG7844ST+823E00