

VG7000 Series

Brass Trim Globe Valves with M9216 Series Electric Actuators



Brass Trim – For Hot/Chilled Water or Steam

- spring return – stem up or stem down
- 180 lb force – provides tight closeoff
- manual opener
- fits VG7000 valves 1/2 through 2 in.
- valve body static pressure rating:
ANSI Class 250

- optional auxiliary switches available
- factory or field assembly
- voltage : 20 to 30 VAC, 50/60 Hz, 12 VA

To Order

Specify the code number from the Selection Charts.

Selection Chart: Valve Assemblies with M9216 Series Electric Actuators, Less Auxiliary Switches

Actuator Code				M9216-AGA-2	M9216-HGA-2	M9216-AGA-2	M9216-HGA-2
Actuator Input				On/Off (Floating)	0 to 10 VDC Proportional	On/Off (Floating)	0 to 10 VDC Proportional
Temperature Range				35 to 284°F Fluid Temperature, 38 psig Saturated Steam			
Valve	Size	Cv	Closeoff	Spring Return – Stem Up		Spring Return – Stem Down	
Two-Way Push-Down-to-Close – NPT End Connections							
VG7241CT	1/2"	0.73	345	VG7241CT+926AGA	VG7241CT+926HGA	VG7241CT+946AGA	VG7241CT+946HGA
VG7241ET	1/2"	1.8	345	VG7241ET+926AGA	VG7241ET+926HGA	VG7241ET+946AGA	VG7241ET+946HGA
VG7241GT	1/2"	4.6	345	VG7241GT+926AGA	VG7241GT+926HGA	VG7241GT+946AGA	VG7241GT+946HGA
VG7241LT	3/4"	7.3	289	VG7241LT+926AGA	VG7241LT+926HGA	VG7241LT+946AGA	VG7241LT+946HGA
VG7241NT	1"	11.6	182	VG7241NT+926AGA	VG7241NT+926HGA	VG7241NT+946AGA	VG7241NT+946HGA
VG7241PT	1-1/4"	18.5	111	VG7241PT+926AGA	VG7241PT+926HGA	VG7241PT+946AGA	VG7241PT+946HGA
VG7241RT	1-1/2"	28.9	71	VG7241RT+926AGA	VG7241RT+926HGA	VG7241RT+946AGA	VG7241RT+946HGA
VG7241ST	2"	46.2	46	VG7241ST+926AGA	VG7241ST+926HGA	VG7241ST+946AGA	VG7241ST+946HGA
Three-Way Mixing – NPT End Connections							
VG7842CT	1/2"	0.73	345 / 345	VG7842CT+926AGA	VG7842CT+926HGA	VG7842CT+946AGA	VG7842CT+946HGA
VG7842ET	1/2"	1.8	345 / 345	VG7842ET+926AGA	VG7842ET+926HGA	VG7842ET+946AGA	VG7842ET+946HGA
VG7842GT	1/2"	4.6	345 / 345	VG7842GT+926AGA	VG7842GT+926HGA	VG7842GT+946AGA	VG7842GT+946HGA
VG7842LT	3/4"	7.3	289 / 321	VG7842LT+926AGA	VG7842LT+926HGA	VG7842LT+946AGA	VG7842LT+946HGA
VG7842NT	1"	11.6	182 / 213	VG7842NT+926AGA	VG7842NT+926HGA	VG7842NT+946AGA	VG7842NT+946HGA
VG7842PT	1-1/4"	18.5	111 / 122	VG7842PT+926AGA	VG7842PT+926HGA	VG7842PT+946AGA	VG7842PT+946HGA
VG7842RT	1-1/2"	28.9	71 / 76	VG7842RT+926AGA	VG7842RT+926HGA	VG7842RT+946AGA	VG7842RT+946HGA
VG7842ST	2"	46.2	46 / 47	VG7842ST+926AGA	VG7842ST+926HGA	VG7842ST+946AGA	VG7842ST+946HGA
Two-Way Push-Down-to-Close – Union Sweat End Connections							
VG7281CT	1/2"	0.73	345	VG7281CT+926AGA	VG7281CT+926HGA	VG7281CT+946AGA	VG7281CT+946HGA
VG7281ET	1/2"	1.8	345	VG7281ET+926AGA	VG7281ET+926HGA	VG7281ET+946AGA	VG7281ET+946HGA
VG7281GT	1/2"	4.6	345	VG7281GT+926AGA	VG7281GT+926HGA	VG7281GT+946AGA	VG7281GT+946HGA
VG7281LT	3/4"	7.3	289	VG7281LT+926AGA	VG7281LT+926HGA	VG7281LT+946AGA	VG7281LT+946HGA
VG7281NT	1"	11.6	182	VG7281NT+926AGA	VG7281NT+926HGA	VG7281NT+946AGA	VG7281NT+946HGA
VG7281PT	1-1/4"	18.5	111	VG7281PT+926AGA	VG7281PT+926HGA	VG7281PT+946AGA	VG7281PT+946HGA
VG7281RT	1-1/2"	28.9	71	VG7281RT+926AGA	VG7281RT+926HGA	VG7281RT+946AGA	VG7281RT+946HGA
VG7281ST	2"	46.2	46	VG7281ST+926AGA	VG7281ST+926HGA	VG7281ST+946AGA	VG7281ST+946HGA

VG7000 Series Brass Trim Globe Valves with M9216 Series Electric Actuators (Continued)

Selection Chart: Valve Assemblies with M9216 Series Electric Actuators, Less Auxiliary Switches (Continued)

Actuator Code				M9216-AGA-2	M9216-HGA-2	M9216-AGA-2	M9216-HGA-2
Actuator Input				On/Off (Floating)	0 to 10 VDC Proportional	On/Off (Floating)	0 to 10 VDC Proportional
Temperature Range				35 to 284°F Fluid Temperature, 38 psig Saturated Steam			
Valve	Size	Cv	Closeoff	Spring Return – Stem Up		Spring Return – Stem Down	
Three-Way Mixing – Union Sweat End Connections							
VG7882CT	1/2"	0.73	345 / 345	VG7882CT+926AGA	VG7882CT+926HGA	VG7882CT+946AGA	VG7882CT+946HGA
VG7882ET	1/2"	1.8	345 / 345	VG7882ET+926AGA	VG7882ET+926HGA	VG7882ET+946AGA	VG7882ET+946HGA
VG7882GT	1/2"	4.6	345 / 345	VG7882GT+926AGA	VG7882GT+926HGA	VG7882GT+946AGA	VG7882GT+946HGA
VG7882LT	3/4"	7.3	289 / 321	VG7882LT+926AGA	VG7882LT+926HGA	VG7882LT+946AGA	VG7882LT+946HGA
VG7882NT	1"	11.6	182 / 213	VG7882NT+926AGA	VG7882NT+926HGA	VG7882NT+946AGA	VG7882NT+946HGA
VG7882PT	1-1/4"	18.5	111 / 122	VG7882PT+926AGA	VG7882PT+926HGA	VG7882PT+946AGA	VG7882PT+946HGA
VG7882RT	1-1/2"	28.9	71 / 76	VG7882RT+926AGA	VG7882RT+926HGA	VG7882RT+946AGA	VG7882RT+946HGA
VG7882ST	2"	46.2	46 / 47	VG7882ST+926AGA	VG7882ST+926HGA	VG7882ST+946AGA	VG7882ST+946HGA
Two-Way Push-Down-to-Close – 3/8 in. Union Sweat End Connections							
VG7271CT	1/2"	0.73	345	VG7271CT+926AGA	VG7271CT+926HGA	VG7271CT+946AGA	VG7271CT+946HGA
VG7271ET	1/2"	1.8	345	VG7271ET+926AGA	VG7271ET+926HGA	VG7271ET+946AGA	VG7271ET+946HGA
VG7271GT	1/2"	4.6	345	VG7271GT+926AGA	VG7271GT+926HGA	VG7271GT+946AGA	VG7271GT+946HGA
Three-Way Mixing – 3/8 in. Union Sweat End Connections							
VG7872CT	1/2"	0.73	345 / 345	VG7872CT+926AGA	VG7872CT+926HGA	VG7872CT+946AGA	VG7872CT+946HGA
VG7872ET	1/2"	1.8	345 / 345	VG7872ET+926AGA	VG7872ET+926HGA	VG7872ET+946AGA	VG7872ET+946HGA
VG7872GT	1/2"	4.6	345 / 345	VG7872GT+926AGA	VG7872GT+926HGA	VG7872GT+946AGA	VG7872GT+946HGA
Two-Way Push-Down-to-Close – 3/4 in. Union Sweat End Connections							
VG7291CT	1/2"	0.73	345	VG7291CT+926AGA	VG7291CT+926HGA	VG7291CT+946AGA	VG7291CT+946HGA
VG7291ET	1/2"	1.8	345	VG7291ET+926AGA	VG7291ET+926HGA	VG7291ET+946AGA	VG7291ET+946HGA
VG7291GT	1/2"	4.6	345	VG7291GT+926AGA	VG7291GT+926HGA	VG7291GT+946AGA	VG7291GT+946HGA
Three-Way Mixing – 3/4 in. Union Sweat End Connections							
VG7892CT	1/2"	0.73	345 / 345	VG7892CT+926AGA	VG7892CT+926HGA	VG7892CT+946AGA	VG7892CT+946HGA
VG7892ET	1/2"	1.8	345 / 345	VG7892ET+926AGA	VG7892ET+926HGA	VG7892ET+946AGA	VG7892ET+946HGA
VG7892GT	1/2"	4.6	345 / 345	VG7892GT+926AGA	VG7892GT+926HGA	VG7892GT+946AGA	VG7892GT+946HGA

Selection Chart: Valve Assemblies with M9216 Series Electric Actuators and Two Auxiliary Switches

Actuator Code				M9216-AGC-2	M9216-HGC-2	M9216-AGC-2	M9216-HGC-2
Actuator Input				On/Off (Floating)	0 to 10 VDC Proportional	On/Off (Floating)	0 to 10 VDC Proportional
Temperature Range				35 to 284°F Fluid Temperature, 38 psig Saturated Steam			
Valve	Size	Cv	Closeoff	Spring Return – Stem Up		Spring Return – Stem Down	
Two-Way Push-Down-to-Close – NPT End Connections							
VG7241CT	1/2"	0.73	345	VG7241CT+926AGC	VG7241CT+926HGC	VG7241CT+946AGC	VG7241CT+946HGC
VG7241ET	1/2"	1.8	345	VG7241ET+926AGC	VG7241ET+926HGC	VG7241ET+946AGC	VG7241ET+946HGC
VG7241GT	1/2"	4.6	345	VG7241GT+926AGC	VG7241GT+926HGC	VG7241GT+946AGC	VG7241GT+946HGC
VG7241LT	3/4"	7.3	289	VG7241LT+926AGC	VG7241LT+926HGC	VG7241LT+946AGC	VG7241LT+946HGC
VG7241NT	1"	11.6	182	VG7241NT+926AGC	VG7241NT+926HGC	VG7241NT+946AGC	VG7241NT+946HGC
VG7241PT	1-1/4"	18.5	111	VG7241PT+926AGC	VG7241PT+926HGC	VG7241PT+946AGC	VG7241PT+946HGC
VG7241RT	1-1/2"	28.9	71	VG7241RT+926AGC	VG7241RT+926HGC	VG7241RT+946AGC	VG7241RT+946HGC
VG7241ST	2"	46.2	46	VG7241ST+926AGC	VG7241ST+926HGC	VG7241ST+946AGC	VG7241ST+946HGC

VG7000 Series Brass Trim Globe Valves with M9216 Series Electric Actuators (Continued)

Selection Chart: Valve Assemblies with M9216 Series Electric Actuators and Two Auxiliary Switches (Continued)

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Actuator Input				On/Off (Floating)	0 to 10 VDC Proportional	On/Off (Floating)	0 to 10 VDC Proportional
Temperature Range				35 to 284°F Fluid Temperature, 38 psig Saturated Steam			
Valve	Size	Cv	Closeoff	Spring Return – Stem Up		Spring Return – Stem Down	
Three-Way Mixing – NPT End Connections							
VG7842CT	1/2"	0.73	345 / 345	VG7842CT+926AGC	VG7842CT+926HGC	VG7842CT+946AGC	VG7842CT+946HGC
VG7842ET	1/2"	1.8	345 / 345	VG7842ET+926AGC	VG7842ET+926HGC	VG7842ET+946AGC	VG7842ET+946HGC
VG7842GT	1/2"	4.6	345 / 345	VG7842GT+926AGC	VG7842GT+926HGC	VG7842GT+946AGC	VG7842GT+946HGC
VG7842LT	3/4"	7.3	289 / 321	VG7842LT+926AGC	VG7842LT+926HGC	VG7842LT+946AGC	VG7842LT+946HGC
VG7842NT	1"	11.6	182 / 213	VG7842NT+926AGC	VG7842NT+926HGC	VG7842NT+946AGC	VG7842NT+946HGC
VG7842PT	1-1/4"	18.5	111 / 122	VG7842PT+926AGC	VG7842PT+926HGC	VG7842PT+946AGC	VG7842PT+946HGC
VG7842RT	1-1/2"	28.9	71 / 76	VG7842RT+926AGC	VG7842RT+926HGC	VG7842RT+946AGC	VG7842RT+946HGC
VG7842ST	2"	46.2	46 / 47	VG7842ST+926AGC	VG7842ST+926HGC	VG7842ST+946AGC	VG7842ST+946HGC
Two-Way Push-Down-to-Close – Union Sweat End Connections							
VG7281CT	1/2"	0.73	345	VG7281CT+926AGC	VG7281CT+926HGC	VG7281CT+946AGC	VG7281CT+946HGC
VG7281ET	1/2"	1.8	345	VG7281ET+926AGC	VG7281ET+926HGC	VG7281ET+946AGC	VG7281ET+946HGC
VG7281GT	1/2"	4.6	345	VG7281GT+926AGC	VG7281GT+926HGC	VG7281GT+946AGC	VG7281GT+946HGC
VG7281LT	3/4"	7.3	289	VG7281LT+926AGC	VG7281LT+926HGC	VG7281LT+946AGC	VG7281LT+946HGC
VG7281NT	1"	11.6	182	VG7281NT+926AGC	VG7281NT+926HGC	VG7281NT+946AGC	VG7281NT+946HGC
VG7281PT	1-1/4"	18.5	111	VG7281PT+926AGC	VG7281PT+926HGC	VG7281PT+946AGC	VG7281PT+946HGC
VG7281RT	1-1/2"	28.9	71	VG7281RT+926AGC	VG7281RT+926HGC	VG7281RT+946AGC	VG7281RT+946HGC
VG7281ST	2"	46.2	46	VG7281ST+926AGC	VG7281ST+926HGC	VG7281ST+946AGC	VG7281ST+946HGC
Three-Way Mixing – Union Sweat End Connections							
VG7882CT	1/2"	0.73	345 / 345	VG7882CT+926AGC	VG7882CT+926HGC	VG7882CT+946AGC	VG7882CT+946HGC
VG7882ET	1/2"	1.8	345 / 345	VG7882ET+926AGC	VG7882ET+926HGC	VG7882ET+946AGC	VG7882ET+946HGC
VG7882GT	1/2"	4.6	345 / 345	VG7882GT+926AGC	VG7882GT+926HGC	VG7882GT+946AGC	VG7882GT+946HGC
VG7882LT	3/4"	7.3	289 / 321	VG7882LT+926AGC	VG7882LT+926HGC	VG7882LT+946AGC	VG7882LT+946HGC
VG7882NT	1"	11.6	182 / 213	VG7882NT+926AGC	VG7882NT+926HGC	VG7882NT+946AGC	VG7882NT+946HGC
VG7882PT	1-1/4"	18.5	111 / 122	VG7882PT+926AGC	VG7882PT+926HGC	VG7882PT+946AGC	VG7882PT+946HGC
VG7882RT	1-1/2"	28.9	71 / 76	VG7882RT+926AGC	VG7882RT+926HGC	VG7882RT+946AGC	VG7882RT+946HGC
VG7882ST	2"	46.2	46 / 47	VG7882ST+926AGC	VG7882ST+926HGC	VG7882ST+946AGC	VG7882ST+946HGC
Two-Way Push-Down-to-Close – 3/8 in. Union Sweat End Connections							
VG7271CT	1/2"	0.73	345	VG7271CT+926AGC	VG7271CT+926HGC	VG7271CT+946AGC	VG7271CT+946HGC
VG7271ET	1/2"	1.8	345	VG7271ET+926AGC	VG7271ET+926HGC	VG7271ET+946AGC	VG7271ET+946HGC
VG7271GT	1/2"	4.6	345	VG7271GT+926AGC	VG7271GT+926HGC	VG7271GT+946AGC	VG7271GT+946HGC
Three-Way Mixing – 3/8 in. Union Sweat End Connections							
VG7872CT	1/2"	0.73	345 / 345	VG7872CT+926AGC	VG7872CT+926HGC	VG7872CT+946AGC	VG7872CT+946HGC
VG7872ET	1/2"	1.8	345 / 345	VG7872ET+926AGC	VG7872ET+926HGC	VG7872ET+946AGC	VG7872ET+946HGC
VG7872GT	1/2"	4.6	345 / 345	VG7872GT+926AGC	VG7872GT+926HGC	VG7872GT+946AGC	VG7872GT+946HGC
Two-Way Push-Down-to-Close – 3/4 in. Union Sweat End Connections							
VG7291CT	1/2"	0.73	345	VG7291CT+926AGC	VG7291CT+926HGC	VG7291CT+946AGC	VG7291CT+946HGC
VG7291ET	1/2"	1.8	345	VG7291ET+926AGC	VG7291ET+926HGC	VG7291ET+946AGC	VG7291ET+946HGC
VG7291GT	1/2"	4.6	345	VG7291GT+926AGC	VG7291GT+926HGC	VG7291GT+946AGC	VG7291GT+946HGC
Three-Way Mixing – 3/4 in. Union Sweat End Connections							
VG7892CT	1/2"	0.73	345 / 345	VG7892CT+926AGC	VG7892CT+926HGC	VG7892CT+946AGC	VG7892CT+946HGC
VG7892ET	1/2"	1.8	345 / 345	VG7892ET+926AGC	VG7892ET+926HGC	VG7892ET+946AGC	VG7892ET+946HGC
VG7892GT	1/2"	4.6	345 / 345	VG7892GT+926AGC	VG7892GT+926HGC	VG7892GT+946AGC	VG7892GT+946HGC