

VG7000 Series

Stainless Steel Trim Globe Valves with V-3000 Pneumatic Actuators



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

- rugged actuator die-cast enclosure fits VG7000 valves 1/2 through 1-1/4 in.
- effective diaphragm area: 8 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)
- valve body static pressure rating: ANSI Class 250
- factory or field assembly
- for optional V-9502-90 Positioner, add a “P” to the end of the code number (not available with enclosed spring actuator)

To Order

Specify the code number from the selection charts.

Selection Chart: Valve Assemblies with V-3000-8011 Exposed Pneumatic Actuators

Actuator Code			V-3000-8011					
Mounting Kit	1/2 and 3/4 in.	VG7000-1001	VG7000-1002	VG7000-1003				
	1 and 1-1/4 in.	VG7000-1004	VG7000-1005	VG7000-1006				
	1-1/2 and 2 in.	VG7000-1007	VG7000-1008	VG7000-1009				
Spring Range			3 to 6 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	299	VG7243CT+3008B	255	VG7243CT+3008D	143	VG7243CT+3008E
VG7243ET	1/2"	1.8	299	VG7243ET+3008B	255	VG7243ET+3008D	143	VG7243ET+3008E
VG7243GT	1/2"	4.6	169	VG7243GT+3008B	144	VG7243GT+3008D	81	VG7243GT+3008E
VG7243LT	3/4"	7.3	108	VG7243LT+3008B	92	VG7243LT+3008D	52	VG7243LT+3008E
VG7243NT	1"	11.6	67	VG7243NT+3008B	57	VG7243NT+3008D	32	VG7243NT+3008E
VG7243PT	1-1/4"	18.5	41	VG7243PT+3008B	35	VG7243PT+3008D	19	VG7243PT+3008E
Two-Way Normally Closed – NPT End Connections								
VG7443CT	1/2"	0.73	75	VG7443CT+3008B	106	VG7443CT+3008D	261	VG7443CT+3008E
VG7443ET	1/2"	1.8	75	VG7443ET+3008B	106	VG7443ET+3008D	261	VG7443ET+3008E
VG7443GT	1/2"	4.6	36	VG7443GT+3008B	51	VG7443GT+3008D	126	VG7443GT+3008E
VG7443LT	3/4"	7.3	22	VG7443LT+3008B	31	VG7443LT+3008D	75	VG7443LT+3008E
VG7443NT	1"	11.6	13	VG7443NT+3008B	19	VG7443NT+3008D	49	VG7443NT+3008E
VG7443PT	1-1/4"	18.5	7	VG7443PT+3008B	11	VG7443PT+3008D	28	VG7443PT+3008E
Three-Way Mixing – NPT End Connections								
VG7844CT	1/2"	0.73	299 / 75	VG7844CT+3008B	255 / 106	VG7844CT+3008D	143 / 261	VG7844CT+3008E
VG7844ET	1/2"	1.8	299 / 75	VG7844ET+3008B	255 / 106	VG7844ET+3008D	143 / 261	VG7844ET+3008E
VG7844GT	1/2"	4.6	169 / 36	VG7844GT+3008B	144 / 51	VG7844GT+3008D	81 / 126	VG7844GT+3008E
VG7844LT	3/4"	7.3	108 / 22	VG7844LT+3008B	92 / 31	VG7844LT+3008D	52 / 75	VG7844LT+3008E
VG7844NT	1"	11.6	67 / 13	VG7844NT+3008B	57 / 19	VG7844NT+3008D	32 / 49	VG7844NT+3008E
VG7844PT	1-1/4"	18.5	41 / 7	VG7844PT+3008B	35 / 11	VG7844PT+3008D	19 / 28	VG7844PT+3008E

VG7000 Series Stainless Steel Trim Globe Valves with V-3000 Pneumatic Actuators (Continued)

Selection Chart: Valve Assemblies with V-3000-8003 Enclosed Pneumatic Actuators

Actuator Code			V-3000-8003					
Mounting Kit	1/2 and 3/4 in.		VG7000-1001		VG7000-1002		VG7000-1003	
	1 and 1-1/4 in.		VG7000-1004		VG7000-1005		VG7000-1006	
	1-1/2 and 2 in.		VG7000-1007		VG7000-1008		VG7000-1009	
Spring Range			3 to 6 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	299	VG7243CT+3003B	255	VG7243CT+3003D	143	VG7243CT+3003E
VG7243ET	1/2"	1.8	299	VG7243ET+3003B	255	VG7243ET+3003D	143	VG7243ET+3003E
VG7243GT	1/2"	4.6	169	VG7243GT+3003B	144	VG7243GT+3003D	81	VG7243GT+3003E
VG7243LT	3/4"	7.3	108	VG7243LT+3003B	92	VG7243LT+3003D	52	VG7243LT+3003E
VG7243NT	1"	11.6	67	VG7243NT+3003B	57	VG7243NT+3003D	32	VG7243NT+3003E
VG7243PT	1-1/4"	18.5	41	VG7243PT+3003B	35	VG7243PT+3003D	19	VG7243PT+3003E
Two-Way Normally Closed – NPT End Connections								
VG7443CT	1/2"	0.73	75	VG7443CT+3003B	106	VG7443CT+3003D	261	VG7443CT+3003E
VG7443ET	1/2"	1.8	75	VG7443ET+3003B	106	VG7443ET+3003D	261	VG7443ET+3003E
VG7443GT	1/2"	4.6	36	VG7443GT+3003B	51	VG7443GT+3003D	126	VG7443GT+3003E
VG7443LT	3/4"	7.3	22	VG7443LT+3003B	31	VG7443LT+3003D	75	VG7443LT+3003E
VG7443NT	1"	11.6	13	VG7443NT+3003B	19	VG7443NT+3003D	49	VG7443NT+3003E
VG7443PT	1-1/4"	18.5	7	VG7443PT+3003B	11	VG7443PT+3003D	28	VG7443PT+3003E
Three-Way Mixing – NPT End Connections								
VG7844CT	1/2"	0.73	299 / 75	VG7844CT+3003B	255 / 106	VG7844CT+3003D	143 / 261	VG7844CT+3003E
VG7844ET	1/2"	1.8	299 / 75	VG7844ET+3003B	255 / 106	VG7844ET+3003D	143 / 261	VG7844ET+3003E
VG7844GT	1/2"	4.6	169 / 36	VG7844GT+3003B	144 / 51	VG7844GT+3003D	81 / 126	VG7844GT+3003E
VG7844LT	3/4"	7.3	108 / 22	VG7844LT+3003B	92 / 31	VG7844LT+3003D	52 / 75	VG7844LT+3003E
VG7844NT	1"	11.6	67 / 13	VG7844NT+3003B	57 / 19	VG7844NT+3003D	32 / 49	VG7844NT+3003E
VG7844PT	1-1/4"	18.5	41 / 7	VG7844PT+3003B	35 / 11	VG7844PT+3003D	19 / 28	VG7844PT+3003E