

VG7000 Series

Brass Trim Globe Valves with V-3800 Compact Pneumatic Actuators



Brass Trim – For Hot/Chilled Water or 15 psig Saturated Steam

- compact – fits in tight spaces such as baseboard radiators and convectors
- rugged actuator die-cast enclosure, enclosed spring
- effective diaphragm area: 4 sq in.
- controls – hot or chilled water, 15 psig saturated steam
- valve trim – brass

- valve stem – stainless steel
- maximum supply air pressure: 25 psig (172 kPa)
- fluid temperature: 35 to 248°F (2 to 120°C)
- valve body static pressure rating: ANSI Class 250
- factory or field assembly

To Order

Specify the code number from the selection charts.

Selection Chart

Actuator Code			V-3801-8001					
Mounting Kit			VG7000-1010		VG7000-1011		VG7000-1012	
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								
VG7241CS	1/2"	0.73	186	VG7241CS+3801B	157	VG7241CS+3801D	84	VG7241CS+3801E
VG7241ES	1/2"	1.8	186	VG7241ES+3801B	157	VG7241ES+3801D	84	VG7241ES+3801E
VG7241GS	1/2"	4.6	105	VG7241GS+3801B	89	VG7241GS+3801D	48	VG7241GS+3801E
VG7241LS	3/4"	7.3	67	VG7241LS+3801B	56	VG7241LS+3801D	30	VG7241LS+3801E
Two-Way Normally Closed – NPT End Connections								
VG7441CS	1/2"	0.73	37	VG7441CS+3801B	57	VG7441CS+3801D	158	VG7441CS+3801E
VG7441ES	1/2"	1.8	37	VG7441ES+3801B	57	VG7441ES+3801D	158	VG7441ES+3801E
VG7441GS	1/2"	4.6	18	VG7441GS+3801B	28	VG7441GS+3801D	76	VG7441GS+3801E
VG7441LS	3/4"	7.3	11	VG7441LS+3801B	16	VG7441LS+3801D	45	VG7441LS+3801E
Three-Way Mixing – NPT End Connections								
VG7842CS	1/2"	0.73	186 / 37	VG7842CS+3801B	157 / 57	VG7842CS+3801D	84 / 158	VG7842CS+3801E
VG7842ES	1/2"	1.8	186 / 37	VG7842ES+3801B	157 / 57	VG7842ES+3801D	84 / 158	VG7842ES+3801E
VG7842GS	1/2"	4.6	105 / 18	VG7842GS+3801B	89 / 28	VG7842GS+3801D	48 / 76	VG7842GS+3801E
VG7842LS	3/4"	7.3	67 / 11	VG7842LS+3801B	56 / 16	VG7842LS+3801D	30 / 45	VG7842LS+3801E
Two-Way Normally Open – Union Sweat End Connections								
VG7281CS	1/2"	0.73	186	VG7281CS+3801B	157	VG7281CS+3801D	84	VG7281CS+3801E
VG7281ES	1/2"	1.8	186	VG7281ES+3801B	157	VG7281ES+3801D	84	VG7281ES+3801E
VG7281GS	1/2"	4.6	105	VG7281GS+3801B	89	VG7281GS+3801D	48	VG7281GS+3801E
VG7281LS	3/4"	7.3	67	VG7281LS+3801B	56	VG7281LS+3801D	30	VG7281LS+3801E
Two-Way Normally Closed – Union Sweat End Connections								
VG7481CS	1/2"	0.73	37	VG7481CS+3801B	57	VG7481CS+3801D	158	VG7481CS+3801E
VG7481ES	1/2"	1.8	37	VG7481ES+3801B	57	VG7481ES+3801D	158	VG7481ES+3801E
VG7481GS	1/2"	4.6	18	VG7481GS+3801B	28	VG7481GS+3801D	76	VG7481GS+3801E
VG7481LS	3/4"	7.3	11	VG7481LS+3801B	16	VG7481LS+3801D	45	VG7481LS+3801E
Three-Way Mixing – Union Sweat End Connections								
VG7882CS	1/2"	0.73	186 / 37	VG7882CS+3801B	157 / 57	VG7882CS+3801D	84 / 158	VG7882CS+3801E
VG7882ES	1/2"	1.8	186 / 37	VG7882ES+3801B	157 / 57	VG7882ES+3801D	84 / 158	VG7882ES+3801E
VG7882GS	1/2"	4.6	105 / 18	VG7882GS+3801B	89 / 28	VG7882GS+3801D	48 / 76	VG7882GS+3801E
VG7882LS	3/4"	7.3	67 / 11	VG7882LS+3801B	56 / 16	VG7882LS+3801D	30 / 45	VG7882LS+3801E

VG7000 Series Brass Trim Globe Valves with V-3800 Compact Pneumatic Actuators (Continued)

Selection Chart (Continued)

Actuator Code			V-3801-8001					
Mounting Kit			VG7000-1010		VG7000-1011		VG7000-1012	
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 – 3/8 in. Union Sweat End Connections								
VG7271CS	1/2"	0.73	186	VG7271CS+3801B	157	VG7271CS+3801D	84	VG7271CS+3801E
VG7271ES	1/2"	1.8	186	VG7271ES+3801B	157	VG7271ES+3801D	84	VG7271ES+3801E
VG7271GS	1/2"	4.6	105	VG7271GS+3801B	89	VG7271GS+3801D	48	VG7271GS+3801E
Two-Way Normally Closed – 3/8 in. Union Sweat End Connections								
VG7471CS	1/2"	0.73	37	VG7471CS+3801B	57	VG7471CS+3801D	158	VG7471CS+3801E
VG7471ES	1/2"	1.8	37	VG7471ES+3801B	57	VG7471ES+3801D	158	VG7471ES+3801E
VG7471GS	1/2"	4.6	18	VG7471GS+3801B	28	VG7471GS+3801D	76	VG7471GS+3801E
Three-Way Mixing – 3/8 in. Union Sweat End Connections								
VG7872CS	1/2"	0.73	186 / 37	VG7872CS+3801B	157 / 57	VG7872CS+3801D	84 / 158	VG7872CS+3801E
VG7872ES	1/2"	1.8	186 / 37	VG7872ES+3801B	157 / 57	VG7872ES+3801D	84 / 158	VG7872ES+3801E
VG7872GS	1/2"	4.6	105 / 18	VG7872GS+3801B	89 / 28	VG7872GS+3801D	48 / 76	VG7872GS+3801E
Two-Way Normally Open – 3/4 in. Union Sweat End Connections								
VG7291CS	1/2"	0.73	186	VG7291CS+3801B	157	VG7291CS+3801D	84	VG7291CS+3801E
VG7291ES	1/2"	1.8	186	VG7291ES+3801B	157	VG7291ES+3801D	84	VG7291ES+3801E
VG7291GS	1/2"	4.6	105	VG7291GS+3801B	89	VG7291GS+3801D	48	VG7291GS+3801E
Two-Way Normally Closed – 3/4 in. Union Sweat End Connections								
VG7491CS	1/2"	0.73	37	VG7491CS+3801B	57	VG7491CS+3801D	158	VG7491CS+3801E
VG7491ES	1/2"	1.8	37	VG7491ES+3801B	57	VG7491ES+3801D	158	VG7491ES+3801E
VG7491GS	1/2"	4.6	18	VG7491GS+3801B	28	VG7491GS+3801D	76	VG7491GS+3801E
Three-Way Mixing – 3/4 in. Union Sweat End Connections								
VG7892CS	1/2"	0.73	186 / 37	VG7892CS+3801B	157 / 57	VG7892CS+3801D	84 / 158	VG7892CS+3801E
VG7892ES	1/2"	1.8	186 / 37	VG7892ES+3801B	157 / 57	VG7892ES+3801D	84 / 158	VG7892ES+3801E
VG7892GS	1/2"	4.6	105 / 18	VG7892GS+3801B	89 / 28	VG7892GS+3801D	48 / 76	VG7892GS+3801E
Two-Way Normally Open – Union Globe End Connections								
VG7251CS	1/2"	0.73	186	VG7251CS+3801B	157	VG7251CS+3801D	84	VG7251CS+3801E
VG7251ES	1/2"	1.8	186	VG7251ES+3801B	157	VG7251ES+3801D	84	VG7251ES+3801E
VG7251GS	1/2"	4.6	105	VG7251GS+3801B	89	VG7251GS+3801D	48	VG7251GS+3801E
VG7251LS	3/4"	7.3	67	VG7251LS+3801B	56	VG7251LS+3801D	30	VG7251LS+3801E
Two-Way Normally Closed – Union Globe End Connections								
VG7451CS	1/2"	0.73	37	VG7451CS+3801B	57	VG7451CS+3801D	158	VG7451CS+3801E
VG7451ES	1/2"	1.8	37	VG7451ES+3801B	57	VG7451ES+3801D	158	VG7451ES+3801E
VG7451GS	1/2"	4.6	18	VG7451GS+3801B	28	VG7451GS+3801D	76	VG7451GS+3801E
Two-Way Normally Open – Union Angle End Connections								
VG7551CS	1/2"	0.73	186	VG7551CS+3801B	157	VG7551CS+3801D	84	VG7551CS+3801E
VG7551ES	1/2"	1.8	186	VG7551ES+3801B	157	VG7551ES+3801D	84	VG7551ES+3801E
VG7551GS	1/2"	4.6	105	VG7551GS+3801B	89	VG7551GS+3801D	48	VG7551GS+3801E
VG7551LS	3/4"	7.3	67	VG7551LS+3801B	56	VG7551LS+3801D	30	VG7551LS+3801E