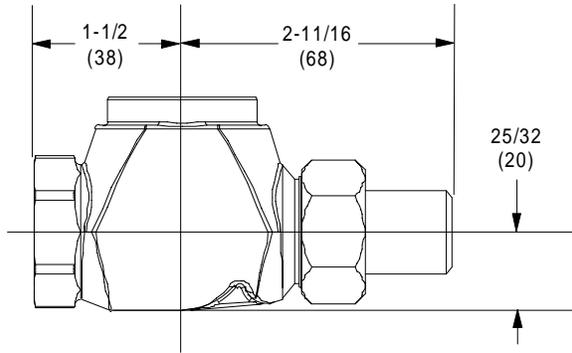
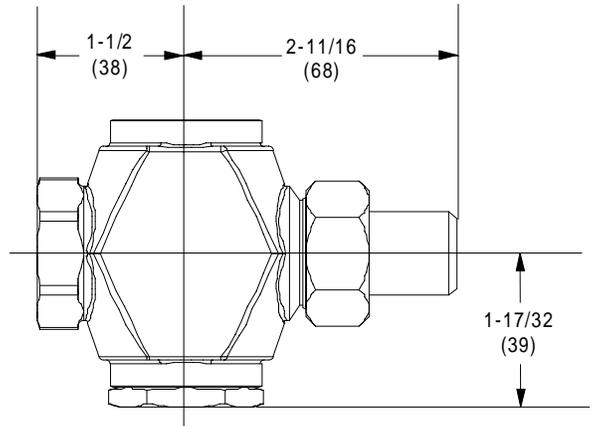


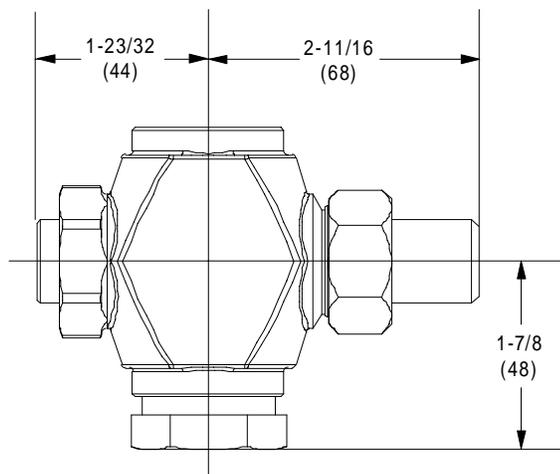
**Technical Data Sheet for
VG7000 Series
Bronze Control Valves**



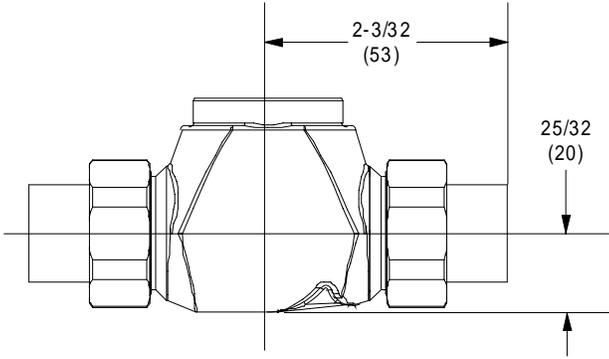
**Figure 1: 1/2 in. Normally Open
Union Globe VG7000 Series Bronze Control Valve
Dimensions, in. (mm)**



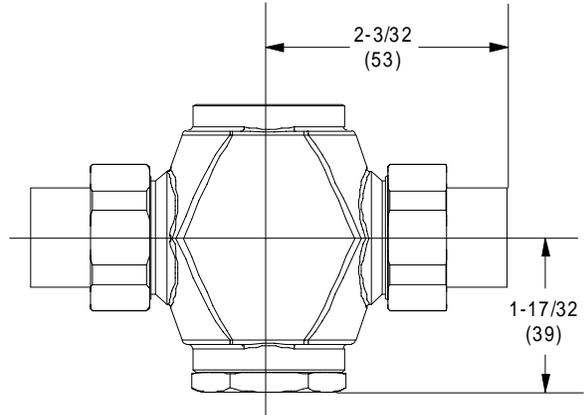
**Figure 2: 1/2 in. Normally Closed
Union Globe VG7000 Series Bronze Control Valve
Dimensions, in. (mm)**



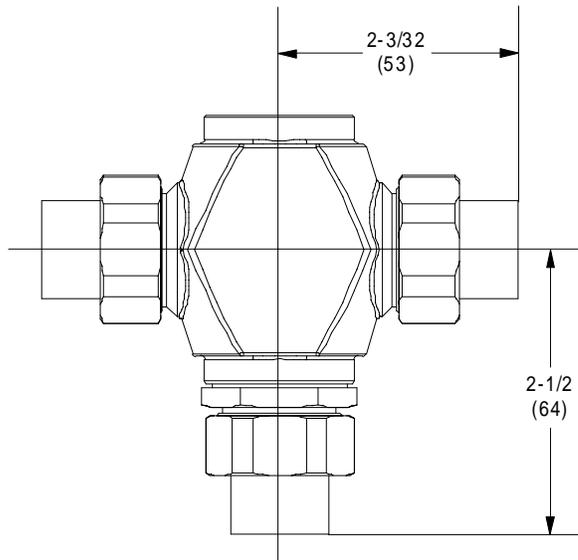
**Figure 3: 1/2 in. Normally Open
Union Angle VG7000 Series Bronze Control Valve
Dimensions, in. (mm)**



**Figure 4: 1/2 in. Normally Open
Union Sweat VG7000 Series Bronze Control Valve
Dimensions, in. (mm)**



**Figure 5: 1/2 in. Normally Closed
Union Sweat VG7000 Series Bronze Control Valve
Dimensions, in. (mm)**



**Figure 6: 1/2 in. Three-Way Mixing
Union Sweat VG7000 Series Bronze Control Valve
Dimensions, in. (mm)**

Table 1: Ordering Data -- VG7000 Series Bronze Control Valves

V	G	Valve Global												
1	2	7	Product Family										7 = Cast Bronze	
3	2	Body Type										2 = Two-Way, Normally Open/Push-Down-To-Close		
		4	4 = Two-Way, Normally Closed/Push-Down-To-Open										5 = Two-Way Angle, Normally Open/Push-Down-To-Close	
			8 = Three-Way Mixing											
		4	End Connections										4 = Threaded (NPT)	
		5	5 = Union Globe / Union Angle										7 = Union Sweat, 3/8 in. I.D. (1/2 in. Body Size Only)	
			8 = Union Sweat, 1/2 in. I.D. (1/2 in. Body Size Only)										9 = Union Sweat, 3/4 in. I.D. (1/2 in. Body Size Only)	
		1	Trim and Flow Characteristic										1 = Brass Equal Percentage (All Two-Way and 1/2 in. Three-Way)	
		6	2 = Brass Linear (Two-Way Union Angle and All Three-Way)										3 = Stainless Steel Equal Percentage (Two-Way Only)	
			4 = Stainless Steel Linear (Three-Way Only)											
		L	Size and Cv (Kv)										C = 1/2 in., 0.73 Cv (0.63 Kv)	
		7	E = 1/2 in., 1.8 Cv (1.6 Kv)										G = 1/2 in., 4.6 Cv (4.0 Kv)	
			L = 3/4 in., 7.3 Cv (6.3 Kv)										N = 1 in., 11.6 Cv (10.0 Kv)	
			P = 1-1/4 in., 18.5 Cv (16.0 Kv)										R = 1-1/2 in., 28.9 Cv (25.0 Kv)	
			S = 2 in., 46.2 Cv (40.0 Kv)											
		T	Stem Type										T = Standard Threaded Stem (All Except V-3801 and V-500)	
		8	S = Slotted Stem and Small Bonnet (Factory-Mounted V-3801 Only)										L = Large Threaded Stem (Factory-Mounted V-500 Only)	
		+	Actuator Mounting										+ = Factory-Mounted Actuator (See Tables 2 and 3.)	
		9											<i>(Leave fields 9 through 15 blank for valve without factory-mounted actuator. Valve without factory-mounted actuator is available with standard threaded stem only.)</i>	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 = Field

V	G	7	2	4	1	L	T	+							
Valve								+	Actuator						

Example: Cast bronze valve, two-way, normally open/push-down-to-close, threaded (NPT) end connections, brass trim, equal percentage, 3/4 in., 7.3 Cv, standard threaded stem.

Note: Refer to Table 2 when adding a factory-mounted pneumatic actuator to a valve body. Refer to Table 3 when adding a factory-mounted electric actuator to a valve body.

Table 2: Ordering Data -- Adding a Factory-Mounted Pneumatic Actuator

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
V	G	7	2	4	1	L	T	+	3	0	0	8			
													Pneumatic Actuator	3801 = V-3801-8001 Small Oval Top (Slotted Stem Only)	
													(See Actuator	3008 = V-3000-8001 Exposed	
													Product/Technical	3003 = V-3000-8003 Enclosed	
													Bulletin.)	V400 = V-400-80xx	
														V500 = V-500 (Large Threaded Stem Only)	
													B	Spring Range	B = 3 to 6 psig (Suggested for N.O. Valves with Positioner)
													14		D = 4 to 8 psig (Suggested for Three-Way Valves with Positioner)
															E = 9 to 13 psig (Suggested for N.C. Valves with Positioner)
													P	Positioner	P = Positioner (Not Available with V-3801-8001 or V-3000-8003)
													15		Blank = None

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 = Field

V	G	7	2	4	1	L	T	+	3	0	0	8	B	P	
Valve									+	Actuator					

Example: Cast bronze valve, two-way, normally open, threaded (NPT) end connections, brass trim, equal percentage, 3/4 in., 7.3 Cv, standard threaded stem, V-3000-8001 Exposed Pneumatic Actuator, 3 to 6 psig spring range, with factory-mounted V-9502 Positioner.

Note: Refer to Table 1 when ordering a valve body only. Refer to Table 3 when adding a factory-mounted electric actuator to a valve body.

Notes

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