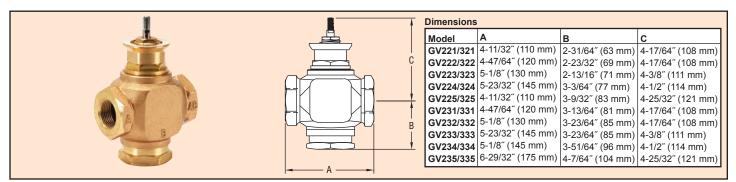


Series GV2 & GV3

# **Globe Control Valves**

Low Cost, 1" to 2-1/2" Sizes, 2-Way or 3-Way



The Series GV2 and GV3 globe valves can be conveniently paired with the Series EVA2 and EVA3 electric actuators, creating a low cost and compact control valve package. The globe design allows for exceptional throttling control in a wide range of applications, including central heating and air conditioning, water handling, and industrial manufacturing systems. Valves are manufactured in a variety of sizes, and are available in either two-way or three-way body styles. The forged brass body and equal percentage flow characteristic are ideal for many flow control systems. Series GV3 models incorporate a high intensity body casting for high temperature applications, including steam service.

### **FEATURES**

- Low leakage rate (less than 0.05% of Cv)
- Equal percentage flow characteristic for excellent low flow control
- · Forged brass construction
- Direct mounting actuator (Series EVA2 and EVA3) for compact control valve package
- GV3: Higher temperature rating, capable of steam service
- · Control flow in heating or cooling processes

# Series GV2

				Max. Diff. Pres.		
Model	Туре	Pipe Size	Cv	Fit with EVA2-	Fit with EVA3-	Stroke in (mm)
GV221		1″	9.3	145 psi	203 psi	19/32"
01221				(10 bar)	(14 bar)	(15)
GV222		1-1/4″	18.6	109 psi	160 psi	3/4"
01222				(7.5 bar)	(11 bar)	(19)
GV223	2-Way	1-1/2"	29.0	72 psi	116 psi	3/4"
01220				(5 bar)	(8 bar)	(19)
GV224		2″	46.4	43 psi	72 psi	7/8″
				(3 bar)	(5 bar)	(22)
GV225		2-1/2"	73.1	29 psi	50 psi	7/8″
				(2 bar)	(3.5 bar)	(22)
GV231	3-Way	1″	9.3	145 psi	203 psi	19/32″
				(10 bar)	(14 bar)	(15)
GV232		1-1/4″	18.6	109 psi	160 psi	3/4″
				(7.5 bar)	(11 bar)	(19)
GV233		1-1/2"	29.0	72 psi	116 psi	3/4"
				(5 bar)	(8 bar)	(19)
GV234		2″	46.4	43 psi	72 psi	7/8″
				(3 bar)	(5 bar)	(22)
GV235		2-1/2"	73.1	29 psi	50 psi	7/8″
				(2 bar)	(3.5 bar)	(22)

# **SPECIFICATIONS**

### Service:

GV2: Compatible liquids and gases;

GV3: Compatible liquids, gases, and steam.

Line Size: 1" to 2-1/2".

Body Style: 2-way, push to open globe; 3-way globe.

End Connections: Female NPT.

Pressure Limit: 232 psi (16 bar) WOG; GV3: 130 psi SWP (9.0 bar).

Wetted Materials: Body material: Brass;

> Stem: SS (1Cr18Ni9); Disc: GV2: Brass with Nitrile gasket;

GV3: Brass with Fluon® gasket; Packing: GV2: Fluon® filler with Nitrile O-ring; GV3: Fluon® filler with Fluorine O-ring.

Temperature Limits: GV2: 35 to 201°F (2 to 94°C); GV3: 35 to 356°F

(2 to 180°C).

Flow Characteristic: Equal percentage.
Flow Leakage: Less than 0.05% of Cv factor.

Stem Connection: M8 thread.

# Series GV3

				Max. Diff. Pres.		
Model	Туре	Pipe Size	Cv		Fit with EVA3-	Stroke in (mm)
GV321	2-Way	1″	9.3		174 psi (12 bar)	19/32" (15)
GV322		1-1/4"	18.6	87 psi	145 psi (10 bar)	3/4" (19)
GV323		1-1/2"	29.0	58 psi	102 psi (7 bar)	3/4"
GV324		2″	46.4	29 psi (2 bar)	58 psi (4 bar)	7/8″ (22)
GV325		2-1/2"	73.1	29 psi	50 psi (3.5 bar)	7/8″ (22)
GV331	3-Way	1″	9.3		174 psi (12 bar)	19/32" (15)
GV332		1-1/4"	18.6	87 psi (6 bar)	145 psi (10 bar)	3/4" (19)
GV333		1-1/2"	29.0	58 psi (4 bar)	102 psi (7 bar)	3/4" (19)
GV334		2″	46.4	29 psi (2 bar)	58 psi (4 bar)	7/8″ (22)
GV335		2-1/2″	73.1	29 psi (2 bar)	50 psi (3.5 bar)	7/8″ (22)