

1-800-GRAINGER (472-4643)

2 1/2" to 6" Pneumatic and Electric Actuated Globe Valves



Cast iron flanged globe valves feature brass trim, and are designed primarily to regulate the flow of water and steam in response to the demand of a controller in HVAC systems.

For additional information on actuators, go to Grainger.com.

41P833



41P633



Accessories		Description		Mr. Model	Item No.
Pneum. Valve Actuator Mounting Kit				MP8000-6002	41P606
Pneum. Valve Actuator Positioner, 3 to 13 psi				V-9502-95	41P661

Valve Design	Valve Config.	Connec. Size	Cv	Mr. Model	Item No.	Close-Off psig	3 to 7 psi Item No.	Close-Off psig	4 to 8 psi Item No.	Close-Off psig	9 to 13 psi Item No.	Close-Off psig	Floating Item No.	Proportional Item No.	Mounting Kit Item No.	Close-Off psig	Floating Item No.	On / Off Item No.	Proportional Item No.	Mounting Kit Item No.		
2-Way	NO	2 1/2 in	51	VG2231TL	41P817	53	41P619	49	41P621	28	41P623	101	41P526	41P530	41P445	76	41P593	41P599	41P602	41P445		
				VG2231TM	41P818	109	41P625	100	41P627	58	41P629	—	—	—	—	—	—	—	—	—	—	—
		3 in	83	VG2231UL	41P819	37	41P619	34	41P621	19	41P623	—	—	—	—	—	—	—	—	—	—	—
				VG2231UN	41P820	75	41P630	70	41P631	40	41P632	88	41P526*	41P530*	41P447	66	41P593*	41P599*	41P602*	41P447	—	
				VG2231VM	41P821	152	41P633	140	41P634	81	41P635	—	—	—	—	—	—	—	—	—	—	—
				VG2231VN	41P822	42	41P630	39	41P631	23	41P632	49	41P526*	41P530*	41P447	37	41P593*	41P599*	41P602*	41P447	—	
	NC	4 in	150	VG2231VM	41P823	86	41P633	79	41P634	46	41P635	—	—	—	—	—	—	—	—	—	—	
				VG2231VN	41P824	55	41P636	51	41P637	29	41P638	26	41P526*	41P530*	41P449	20	41P593*	41P599*	41P602*	41P449	—	
		5 in	350	VG2231YN	41P825	38	41P636	35	41P637	20	41P638	16	41P526*	41P530*	41P451	—	—	—	—	—	—	
				VG2431UM	41P826	24	41P625	32	41P627	75	41P629	—	—	—	—	—	—	—	—	—	—	
		3-Way Mixing	2 1/2 in	54	VG2831TM	41P833	65 / 14	41P625	60 / 19	41P627	35 / 45	41P629	60	41P526	41P530	41P445	45	41P593	41P599	41P602	41P445	
					VG2831UM	41P834	45 / 10	41P630	42 / 13	41P631	24 / 31	41P632	53	41P526*	41P530*	41P447	40	41P593*	41P599*	41P602*	41P447	—
	3 in		80	VG2831UN	41P835	91 / 21	41P633	84 / 28	41P634	49 / 63	41P635	—	—	—	—	—	—	—	—	—	—	
				VG2831VM	41P836	25 / 6	41P630	23 / 8	41P631	14 / 18	41P632	30	41P526*	41P530*	41P447	11	41P593	41P599	41P602	41P446		
	4 in		157	VG2831VN	41P837	51 / 12	41P633	47 / 16	41P634	27 / 35	41P635	—	—	—	—	—	—	—	—	—	—	
				VG2831WN	41P838	33 / 7	41P636	23 / 8	41P637	18 / 23	41P638	15	41P526*	41P530*	41P449	12	41P593*	41P599*	41P602*	41P449	—	
	5 in	238	VG2831YN	41P839	23 / 5	41P636	21 / 7	41P637	12 / 16	41P638	9	41P526*	41P530*	41P451	7	41P593*	41P599*	41P602*	41P451	—		

* Two actuators required. † Actuators can be configured to spring return either open or closed.

Honeywell SIEMENS

Pneumatic Valves

UNITARY

- Body pressure rating: 250 psi
- Max. controlled medium temp.: 250°F

GLOBE

- Body pressure rating: 250 psi
- Media temp. range: 35° to 250°F

3UD19



Valve Type	Cv	Pipe (in.)	Spring Range (psi)	Close Off Rating @ Main PSI	Brand	Mr. Model	Item No.
Unitary							
2-Way NO	1.6	1/2 OD	3-10	45 @ 13	Honeywell	VP527A1034	3UD21
	2.5	3/8 OD	3-7	79 @ 13	Honeywell	VP513A1188	279A03
2-Way NC	2.5	3/8 OD	9-13	50 @ 7	Honeywell	VP513B1053	279A02
3-Way	1.6	1/2 ODF	2-5	58 @ 13	Honeywell	VP526A1092	3UD20
	1.6	3/8 ODF	2-5	58 @ 13	Honeywell	VP526A1027	3UD19
Globe							
2.5	1/2 NPT	3-8	3-8	45 @ 20	Siemens	257-02038	6YC71
				45 @ 0	Siemens	257-02039	25DW44
2-Way NO	4	1/2 NPT	3-8	45 @ 20	Siemens	257-02041	2KGR2
				35 @ 20	Siemens	257-02044	6YC72
2-Way NC	2.5	1/2 NPT	10-15	50 @ 0	Siemens	256-02008	6YC70
				50 @ 0	Siemens	256-02069	6YC73

SIEMENS

2- and 3-Way Globe Valves

- Normally open

Used for hot or chilled water on convectors, fan coil units, unit conditioners, radiation, reheat coils, and similar terminal units. 3-position models include wiring adapters for 3/8" flex conduit and plenum cable.



5GED2

Specifications	Connec. Type/Size (in.)	Cv	Mr. Model	Item No.
2 Position On/Off	(FNPT) 1/2	1	243-00210	5GED2
	(FNPT) 3/4	2.5	243-00211	5GED3
	(FNPT) 1	4.1	243-00212	5GED4
2 Position Floating	(FNPT) 1/2	0.4	259-02030	5GEC7
	(FNPT) 3/4	0.63	259-02032	5GEC8
3 Position Floating	(FNPT) 1/2	1	259-02034	5GEC9
2 Position Floating	(FNPT) 1/2	1.6	259-02036	5GED0
	(FNPT) 3/4	2.5	259-02038	5GED1

Electric Globe Valves

2- and 3-Way, Cartridge Cage—

Actuator can be removed without draining system. For use with floating actuators, sold separately. No tools required for actuator installation or removal. Service is by replacement of cartridge, not valve body. 2-way bodies can be plumbed in either direction. 3-way bodies can be used in diverting or mixing applications.

2- and 3-Way, Cartridge—

Long stroke allows wider range of control. Soft valve seat provides low leakage rate. Threaded plastic cover with handle for manual operation. Easily installed in areas where space is limited.

2-Way, Direct Acting—Provide equal percentage characteristics of flow for close control of water, and linear characteristics of flow for close control of steam.



279A99

Item	Type	For Use With	Brand	Mr. Model	Item No.
Accessories					
Actuator	2-Position Line Voltage	VC Series Valves	Honeywell Home	VC4011Z211	4ATD4
	2-Position Low Voltage	VC Series Valves, and a SPDT Controller	Honeywell Home	VC2114Z211	4ATD3
	2-Position Low Voltage With End Switch	VC Series Valves, and a SPST Controller	Honeywell Home	VC8714Z211	4ATD7
	Floating Low Voltage	V5852, V5853, V5862, V5863 valves	Honeywell	M6410A1029	4ARY8
	Floating Low Voltage	VC Series Valves, 4ATD8, 4ATD9, 4ATE1	Honeywell Home	VC6934Z211	4ATD5
	Modulating Low Voltage	V5852, V5853, V5862, V5863 valves	Honeywell	M7410F1000	4ARY9
Globe Valve Linkage	3/4 in Stroke and 1/2 in Shaft	V5011N globe valves, direct coupled actuators	Honeywell	VC7934Z211	278Z01
		V5011N globe valves, direct coupled actuators	Honeywell	Q5020A1003	278Z06

Type	Connec. Type/Size (in.)	Cv	Mr. Model	Item No.
Cartridge Valves, Honeywell				
2-Way, Cartridge Cage	(FNPT) 1/2	3.5	VCZBB1100	279A83
Solder Globe Valves, Honeywell				
2-Way, Cartridge	Sweat 1/2	1.2	V5852A2049	4ATC2
	Sweat 3/4	4.9	V5852A2072	279C10
3-Way, Cartridge	Sweat 1/2	1.9	V5853A2048	279A96
	Sweat 3/4	4.9	V5853A2063	279C09
3-Way, Cartridge Cage	(FNPT) 1/2	3.7	VCZNB6100	279A74
Solder Globe Valves, Honeywell Home				
2-Way, Cartridge Cage	Sweat 1/2	3.5	VCZAA1100	4ATD8
Threaded Globe Valves, Honeywell				
2-Way, Cartridge	(FNPT) 1/2	0.47	V5862A2021	279A86
	(FNPT) 3/4	1.2	V5862A2047	279A92
	(FNPT) 1	1.9	V5862A2054	279A88
	(FNPT) 3/4	4.9	V5862A2070	279A75
	(FNPT) 1 1/2	29	V5011N1081	279A89
	(FNPT) 1 1/4	18.7	V5011N1073	279A85
	(FNPT) 1/2	0.73	V5011N1008	279A99
	(FNPT) 1/2	1.16	V5011N1016	279C14
	(FNPT) 1/2	1.85	V5011N1024	279A97
	(FNPT) 1/2	2.9	V5011N1032	279C15
	(FNPT) 1/2	4.7	V5011N1040	279A81
	(FNPT) 3/4	7.3	V5011N1057	279A87
(FNPT) 1	11.7	V5011N1065	279A76	
(FNPT) 2	46.8	V5011N1099	279C06	