

A photograph of an industrial steam system. A large white pipe is labeled 'STEAM' in black letters on a yellow background. A globe valve, made of brass, is connected to the pipe. Above the valve is an orange and grey actuator. The valve has a blue handwheel. The background is a plain, light-colored wall.

**Greater Force
and Flexibility**

Globe Valves

BELIMO®

True Flexibility

LED Button

Adapts to stroke of the valve

Fail-Safe Switch ("K" models only)

Selectable position to drive stem up or stem down

Coupler

Locking feature to prevent slipping

Doubles as position indicator

Cast Aluminum Linkage

Rugged design with zero deflection

ANSI Class VI Leakage

G2 and G3 Valve Bodies

Corrosion Resistant Metal Name Plate

Easy identification of model, temperature and pressure rating, Cv, and Canada Registration Number

Multi-Function Technology

Field selectable control signal, feedback signal, running time, travel limit and trending

100:1 Rangeability Specification

Accurate modulation at low flow

Manual Override

Ability to drive the valve up or down during power failure

G3, 3-way Valve Body

One valve for both mixing and diverting applications



Strength

Belimo Globe Valves offered with bronze or cast iron body with ANSI 250 and ANSI 125 pressure rating to withstand rigorous HVAC applications.



Dependable

Belimo Globe Valves provide tight close-off up to 250 psi with pressure compensated valve design for 2-way bodies and accurate modulation at low flow with rangeability specification to 100:1.



Flexibility

Linear globe valve actuators make selection, installation, and service hassle-free with stem travel adaption to 2", multiple voltage options, high close-off rating, and optional non fail-safe or fail-safe operation.

As a leading manufacturer of electronic direct-coupled actuators and motorized valves, Belimo is committed to helping improve comfort, safety, and efficiency in buildings.

The Belimo globe valve assemblies and actuator/retrofit linkages provide high close-off pressure, precise positioning, easy installation, field adjustability, and reliable operation. The linear stroke ensures flow is maintained in heating and cooling systems.

More Strength for Higher Pressure Demands

The Belimo globe valve actuators are designed to withstand the rigorous demands of many HVAC applications. With its innovative quick connect coupler, the globe valve actuator can be retrofitted and installed and adapted in no time.

The Belimo globe valve actuators incorporate not only strength but are highly adaptable making selection, installation and service hassle-free.

- Travel ranges of up to 2" (50mm)
- ANSI Class VI leaking rating for G2 and G3 valves only
- Multiple voltage options (24V and 120-230V)
- 3-way valves for mixing or diverting
- 50 psi max dP for steam applications (G2S)
- Increased force for higher close-off pressures
- Field selectable direction of travel switch



Selection Made Easy

	Globe Valve Body		Size		Suitable Actuators			
CV	2-Way NPT	3-Way NPT	Inches	DN	Non Fail-Safe	Fail-Safe		
						Spring Return	Electronic	
0.4 to 4.4	G215B(S)		½	15	LV Series	LF Series	LVK Series	
5.5 to 7.5	G220B(S)		¾	20				
10 to 14	G225B(S)		1	25				
20	G232B(S)		1¼	32				
28	G240B(S)		1½	40				
40	G250B(S)		2	50				
2.2 to 4.4		G315B	½	15	SV Series	NF Series	SVK Series	
6.75		G320B	¾	20				
14		G325B	1	25				
20		G332B	1¼	32				
28		G340B	1½	40				
40		G350B	2	50		AF Series		

Actuator Specifications

Control Type	On/Off, Floating Point, PWM, Proportional, 2-10 VDC, Multi-Function Technology (MFT)
Manual Override	Non Fail-Safe Fail-Safe
Running Time	90 seconds (default) 35-150 second options available
Actuator Travel Range [mm]	0.6" [15] LV, 0.75" [20] SV, 1.25" [32] AV, 2" [50] EV and RV

Applications

Unit Ventilation, Air Handling Units, Water/Steam Control in Heating and Cooling Systems

CV	Globe Valve Body		Size		Suitable Actuators		
	2-Way Flanged		Inches	DN	Non Fail-Safe	Fail-Safe	
						Spring Return	Electronic
65	G665C		2½	65	EV Series	AFX Series	AVK Series
85	G680C		3	80			
170	G6100C		4	100			
263	G6125C		5	125			
344	G6150C		6	150			




CV	Globe Valve Body		Size		Suitable Actuators		
	3-Way Flanged		Inches	DN	Non Fail-Safe	Fail-Safe	
						Spring Return	Electronic
68	G765		2½	65	EV / RV Series	AFX Series	AVK Series
85	G780		3	80			
190	G7100		4	100			
280	G7125		5	125	RV Series		GK Series
340	G7150		6	150			
68	G765D		2½	65	EV Series	AFX Series	AVK Series
85	G780D		3	80			
154	G7100D		4	100			
195	G7125D		5	125			
248	G7150D		6	150			



Note: ANSI 250 models are available.

Globe Valve Retrofit Solutions

Product Range			RETRO  FIT [®]					
Linkage	Valve Body Model	Valve Manufacturer	Suitable Actuators					
			Non Fail-Safe			Electronic Fail-Safe		
SGVL ½" - 2"	VB7000, VB9000 Series	Schneider Siebe Invensys Barber Colman	LV Series	SV Series			LVK Series	SVK Series
	V(B)-3754, V(B)-3974, V(B)-4324, V(B)-5844, V-4332, VG7000 Series	Johnson Controls						
UGVL ½" - 2"	V6600, V6700, V6800	Robertshaw						
	V5011, V5011N, V5013, V5013N Series	Honeywell						
	591, 599, 658 Series	Siemens Landis Powers						
WGVL 2½" - 6"	Type 20, Type 22, Type 30, Type 32	Warren Controls			EV	RV		AVK
FGVL 2½" - 6"	V3..., V4..., V5..., VG2..., VG82... V5..., V33..., V34... 591, 599 VB9..., VB304..., VB804...	Johnson Controls Honeywell Siemens Siebe/BC/Invensys						

A versatile product for many HVAC applications.

- Easy installation
- Adjustable UGVL linkage to fit on most ½" to 2" globe valves
- Adjustable FGVL linkage to fit on most 2½" to 6" globe valves
- Full range of electronic fail-safe and non-spring return options
- Increased force for higher close off pressures
- Steam inlet pressure up to 100 psi
- Customized ordering, i.e. cable length, run times, etc



Belimo Americas

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