Globe Valve Solutions Made Simple.

> We set standards.
> www.belimo.com

Belimo New Generation Globe Valve Actuators and Retrofit Linkages Offer Greater Power and Flexibility.

No two applications are exactly alike; new or old, they all vary in their demands. Whether it's high pressure steam or difficult installations, New Generation Globe Valve Actuators are designed to adapt to these challenges offering easy installation and field adjustability. They can be adapted to most globe valves, regardless of make.

The New Generation Globe Valve Actuators incorporate not only strength, but flexibility too. Engineered to suit a broad range of HVAC applications, the new actuators and retrofit linkages are highly adaptable making selection, installation and service hassle-free.

- Travel ranges of up to 2" (50mm).
- Multiple voltage options (24V and 120-230V).
- One universal linkage can retrofit most globe valves, regardless of make.
- Increased force ranges for higher close-off pressures.
- Field selectable fail-safe position switches.
- Lower power consumption during operation.
- Easy selection process, minimized inventory.

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
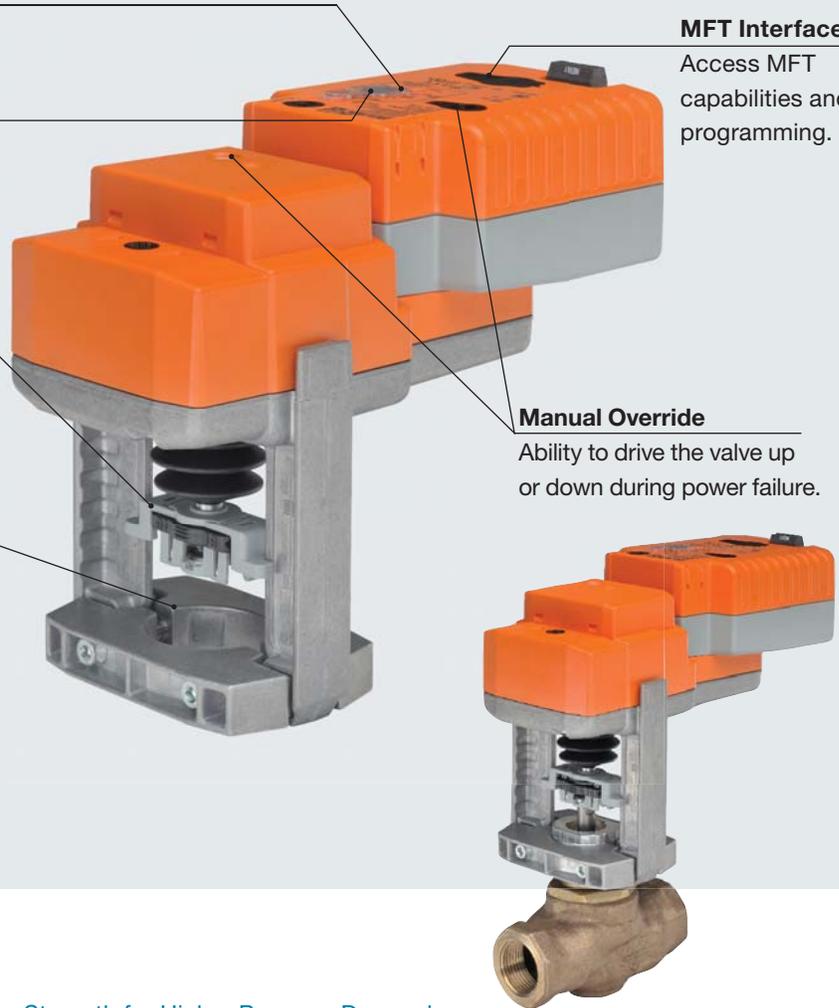slipping. Doubles as position
indicator.

Cast Aluminum Linkage
Rugged design with zero deflection.

MFT Interface Plug
Access MFT
capabilities and
programming.

Manual Override
Ability to drive the valve up
or down during power failure.

5 YEAR WARRANTY

As a leading manufacturer of electronic direct-coupled actuators and motorized valves, Belimo is committed to help improve comfort, safety and efficiency in buildings. Our new generation actuators and retrofit linkages provide increased force and constant speed to withstand high-pressure applications. The linear stroke operation ensures that consistent ambient temperatures are maintained in heating and cooling systems.

More Strength for Higher Pressure Demands

The New Generation Globe Valve Actuator has the "extra muscle" needed for applications where higher close-off pressures are required. Available on globe valves or with a retrofit linkage, these new actuators offer greater force up to 1011 lbf. The actuators are designed to withstand the rigorous demands of many HVAC applications.

With its innovative valve clamp and quick connect coupler, the New Generation Globe Valve Actuator can be installed and adapted in minutes.

Selection Made Easy.

Globe Valve Body		Size	Suitable Actuators	
2-Way NPT	**3-Way NPT**	**Inches**	**Non-Spring Return**	**Electronic Fail-Safe**
G212, G212S		½"	LV Series 112 lbf [500 N]	LVK Series 112 lbf [500 N]
G213, G213S		½"		
G214, G214S	G314	½"		
G215, G215S	G315, G315D	½"		
G219, G219S		¾"		
G220, G220S	G320, G320D	¾"		
G224, G224S		1"	SV Series 337 lbf [1500 N]	SVK Series 337 lbf [1500 N]
G225, G225S	G325, G325D	1"		
G232, G232S	G332, G332D	1¼"		
G240, G240S	G340, G340D	1½"		
G250, G250S	G350, G350D	2"		

Actuator Specifications

Control Type	On/Off, Floating Point, PWM, Proportional, 2-10 VDC, Multi-Function Technology (MFT)
Manual Override	Non-Spring Return Electronic Fail-Safe
Running Time	90 seconds (default) 60-150 seconds variable
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

Globe Valve Body	Size	Suitable Actuators	
2-Way Flanged	**Inches**	**Non-Spring Return**	**Electronic Fail-Safe**
G665C, G665CS, G665LCS, G665C-250, G665CS-2250	2½"	EV Series 562 lbf [2500 N]	AVK 450 lbf [2000 N]
G680C, G680CS, G680LCS, G680C-250, G680CS-2250	3"		
G6100C, G6100CS, G6100LCS, G6100C-250, G6100CS-2250	4"		
G6125C, G6125CS, G6125LCS, G6125C-250, G6125CS-2250	5"		
G6150C, G6150CS, G6150LCS, G6150C-250, G6150CS-2250	6"		

Globe Valve Body	Size	Suitable Actuators		
3-Way Flanged	**Inches**	**Non-Spring Return**		**Electronic Fail-Safe**
G765, G765 S, G765-250, G765 S-250	2½"	EV	RV Series 1011 lbf [4500 N]	AVK
G780, G780 S, G780-250, G780 S-250	3"			
G7100, G7100 S, G7100-250, G7100 S-250	4"			
G7125, G7125 S, G7125-250, G7125 S-250	5"			
G7150, G7150 S, G7150-250, G7150 S-250	6"			
G765D, G765DS, G765DS-250	2½"	EV Series 562 lbf [2500 N]		AVK Series 450 lbf [2000 N]
G780D, G780DS, G780DS-250	3"			
G7100D, G7100DS, G7100DS-250	4"			
G7125D, G7125DS, G7125DS-250	5"			
G7150D, G7150DS, G7150DS-250	6"			

New Universal Globe Valve Linkage Incorporates Strength and Flexibility.

Product Range

Linkage	Valve Body Model	Valve Manufacturer	Suitable Actuators				
			Non-Spring Return			Electronic Fail-Safe	
			LV Series 112 lbf [500 N]	SV Series 337 lbf [1500 N]		LVK Series 112 lbf [500 N]	SVK Series 337 lbf [1500 N]
SGVL	VB7000, VB9000 Series	Schneider Siebe Invensys Barber Colman					
	G2, G2...S, G3 Series	Belimo					
UGVL	V(B)-3754, V(B)-3974, V(B)-4324, V(B)-5844, V-4332,VG7000 Series	Johnson Controls					
	V6600, V6700, V6800	Robertshaw					
	V5011, V5011N, V5013, V5013N Series	Honeywell					
	591, 599, 658 Series	Siemens Landis Powers					
WGVL	Type 20, Type 22, Type 30, Type 32	Warren Controls		EV 562 lbf [2500 N]	RV 1011 lbf [4500 N]		AVK 450 lbf [2000 N]

5 YEAR WARRANTY

RETRO FIT®

A versatile product for many HVAC applications.

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

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