



SpaceLogic

M900A SR Globe Valve Actuators
M400A, M800A, M1500A NSR Globe Valve Actuators

For flexibility, speed, and performance
North America

se.com

Life Is 

Schneider
Electric

Authorized Partner

PARTNERLOGO

SpaceLogic Globe Valve Actuators

First introduced in 2008 as FORTA (now in the family of SpaceLogic), globe valve actuators with optional NEMA 4 (IP65) models continue to be a huge leap forward for heating or cooling applications with both “normally open” and “normally closed” Spring Return valves.

Whenever fast, highly accurate and extremely flexible globe valve control performance is required, HVAC contractors and systems engineers can select from a full range of SpaceLogic actuators offering reduced operating costs, and optimized installation and maintenance routines.

Spring Return And NEMA 4 (IP65)

The spring return M900A version of the M-Series Globe Valve Linear Actuators offers peace of mind, knowing that the valve will return to a known position in the event of a power loss. There is also the NEMA 4 (IP65) option which is intended for use in high humidity environments and some outdoor applications.

Flexible inputs

Only M-Series Globe Valve Linear Actuator can handle every standard proportional and floating control input signal with just the flip of a switch. No special tools or the addition of a plug-in circuit board is required to handle both floating and proportional input signals. With M-Series Globe Valve Linear Actuator, inventory and installation have never been easier.

Optimized performances

Eleven Non-Spring Return general models deliver a full range of 90 lbf to 337 lbf linear force for ½”...6” globe valves. Four 202 lbf NEMA 4 models and three 202 lbf NEMA 2 models will work with ½”...4” globe valves. ‘ONE TOUCH’ stroke calibration effortlessly calibrates the actuator to any required stem stroke length between 3/8”...2”. The linear actuator’s automatic input scaling allows it to quickly learn the valve’s travel by itself and scale its input signal to match.

Reversible control

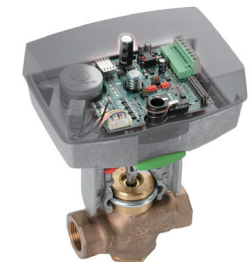
The linear actuator is designed to operate with “normally open” and “normally closed” valves and their required input signal actions with just the flip of a switch to speed and simplify the configuration process.

Tough construction





Simple, robust, die cast aluminum construction allows the linear actuator to be mounted and linked to a valve in seconds using new screw mount style (Venta VB-7000) or U-Bolt style (VB-8000 & VB-9000).

Adaptable

Designed for any environment; chilled, hot water or steam applications; with UL, CUL and plenum rated enclosures; the linear actuator is simply the most versatile actuator in its class.



Actuator & Linkage selection guide

Valve Series	Non-Spring Return M400A, M800A, M1500A NEMA 2 (IP54)		Spring Return M900A – NEMA 2 (IP54) or NEMA 4 (IP65)	
				
	Short Screw Mount	Tall U-Bolt	Short Screw Mount	Tall U-Bolt
VB-7000	Direct Mount	Mount with AV-821 Linkage	Direct Mount	Mount with AV-821 Linkage
VB-8000	N/A	Mount with AV-822 Linkage	N/A	Mount with AV-822 Linkage
VB-9000	N/A	Mount with AV-822 Linkage	N/A	Mount with AV-822 Linkage

The M-Series Globe Valve Linear Actuator actuators are the perfect complement to the renowned performance you've already come to expect from your Venta VB-7000, VB-8000 and VB-9000 globe valves. The linear actuator is an easy choice for the latest Schneider Electric globe valves and can mount directly in seconds, thus promoting ease of installation and checkout.

Fast, flexible, reliable, precision control

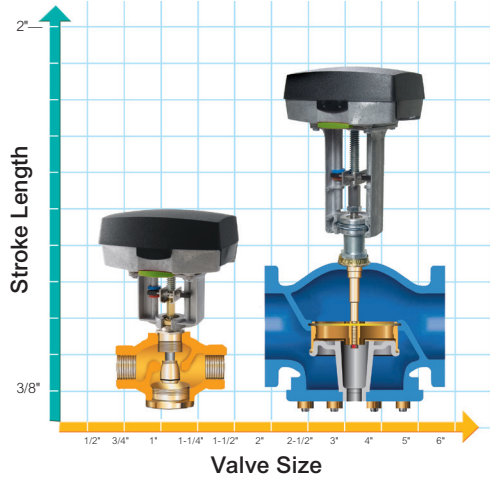
The M-Series Globe Valve Linear Actuators are designed to mount on our complete line of 2-way and 3-way globe valves. A tested and proven advanced technology design makes the linear actuator one of the industry's best built, most application-flexible actuator solutions. They are designed to work with 2-way and 3-way globe valves for chilled water, hot water, and steam HVAC applications.

Features:

- Two mounting styles available: screw mount style or U-Bolt style connections.
- Built-in Universal Control Signal (no tools required); all models can be easily field-configured
- Floating control, controlled by SPDT center-off or two Triacs
- Proportional control 0...10 Vdc, 2...10 Vdc, or 4...20 mAdc
- Sequence configuration control 0...5/5...10 Vdc or 2...6/6...10 Vdc
- Position feedback— M900A: 2...10 Vdc or 0...5 Vdc
M400A, M800A, and M1500A: 2...10 Vdc
- Four linear force ranges to cover our complete ½" through 6" globe valve offering
- M900AxW models available with NEMA 4 (IP65) enclosures
- 24 Vac/dc powered
- Heavy duty Die-Cast housing rated plastic cover
- Manual override with toolless operation
- Electronic flow curve selection
- Easy 'One Touch' input signal/stroke calibration
- Optional auxiliary switches
- Stroke >3/8"...2" for U-Bolt Style, 3/8"...1-7/8" for Screw Mount Style
- Stroke Timing
Floating 60 or 300 sec selectable
Proportional 15 sec @ ½ stroke
- Power Supply Type Half Wave
- Motor Brushless DC
- Noise Level: 32 dBA for M400A, M800A, and M1500A actuators. 43 dBA for M900A actuators.
- Agency Listings UL873, cULus, RCM

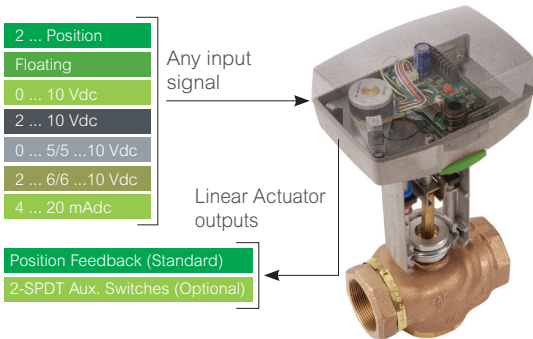
One model does it all, with one-touch switching

Sets up automatically



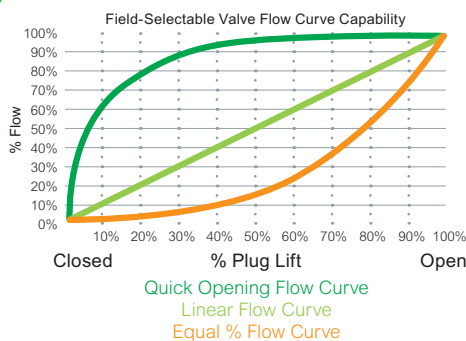
Smart move... say goodbye to the tedious and time-consuming process of setting up different globe valve stroke lengths. The linear actuator's 'One Touch' automatic input scaling allows the actuator to actually learn the valve stem's travel and scale its input signal to match. It can easily accommodate stroke lengths of between 3/8" and 2", and globe valve sizes from 1/2"...6" — and learn any stroke in seconds with just the flip of a switch.

'Synchs' to any input signal



Brilliant... the only thing easier than setting up the linear actuator is configuring it. That's because one model handles any input signal. Need floating control instead of a 0...10 vdc input signal? No problem; going from proportional to floating is as easy as flipping Switch #2. In fact, the linear actuator can be configured to any common input signal in just seconds, making product selection and inventory as easy as point... and switch.

Optimal Valve Performance

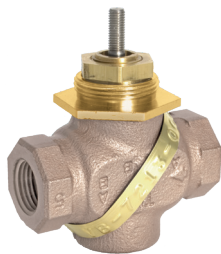


Intelligent... not all applications are created equal. That's why the the linear actuators are designed to help optimize valve performance for every application. The linear actuator's field-selectable valve flow curve capability enables you to convert an equal percentage curve to be more linear – or convert a linear flow curve to be quick opening – with just the flip of a switch. The bottom line: the linear actuator always provides the greatest cost saving and energy efficient operation.

Easily assembled with Venta VB-7000 or VB-8000/9000 Series Globe Valves

The Venta VB-7000 1/2"…2" series offer a variety of options to choose from including threaded, sweat, union, and other end connections; stem up open and stem up closed two way and three way mixing and diverting units. The VB-8000/9000 2 1/2"…6" series are available with cast iron flanged stem up open and stem up closed two way units and three way mixing and diverting units. All valves are designed for easy field installation with the linear actuators. For your convenience, popular valve and actuator combinations are available as factory Globe valve and actuator assemblies.

Venta VB-7000 Selection



VB-7000

Valve Size	M400A-VB (90 lbf)	M800A-VB (180 lbf)	M1500A-VB (337 lbf)	M900Ax-VB (202 lbf) Spring Return
1/2"	•			•
3/4"	•	•		•
1"	•	•		•
1-1/4"	•	•		•
1-1/2"	•	•	•	•
2"	•	•	•	•

VB-8000/9000 Selection



VB-9000

Valve Size	M800A (180 lbf)	M1500A (337 lbf)	M900Ax (202 lbf) Spring Return
2-1/2"	••	•	•
3"	••	•	•
4"	••	•	•
5"		•	
6"		•	

* VB-9313 only

Specifications

Actuator Type	Part Number	Power	Input Signal	Spring Return Action	Feedback	Force	Auxiliary Switch	
U-Bolt	M400A	24 Vac 50-60 Hz	Proportional 0-10 Vdc, 2-10 Vdc, or 4-20 ma	N/A	2-10 Vdc	90 lbf	None	
	M800A					180 lbf	2-SPDT	
	M800A-S2					337 lbf	None	
	M1500A						2-SPDT	
Screw Mount	M1500A-S2					90 lbf	None	
	M400A-VB						2-SPDT	
	M400A-S2-VB						180 lbf	None
	M800A-VB							2-SPDT
U-Bolt	M800A-S2-VB	337 lbf	None					
	M1500A-VB		2-SPDT					
	M1500A-S2-VB		202 lbf	None				
	M900ARW			2 SPDT				
Screw Mount	M900AR	Retract Up	0-5 Vdc or 2-10 Vdc	202 lbf	None			
	M900ARW-S2				2-SPDT			
	M900AE				None			
	M900AEW-S2				2 SPDT			
Screw Mount	M900ARW-VB	Retract Up			None			
	M900AR-VB				None			

Life Is On



PARTNER**LOGO**

Authorized Partner

Partner Display Name

Partner URL

Partner Phone

Partner Email

For more information on
empowering your maintenance team,
visit se.com