

VG1243 Series

Ball Valves with M92x6 Series Spring Return Electric Actuators with or without Auxiliary Switches



**M9216 Actuator with
M9000-510 Linkage and VG1243AC Valve**

Description

- for hot water, chilled water, 50/50 glycol solutions, and 15 psig saturated steam
- stainless steel ball and stem for long life
- graphite-reinforced PTFE seat
- valve stem seals — dual EPDM O-rings
- 600 psig body pressure rating at 320°F for water service — two-way models
- 150 psig body pressure rating at 320°F for steam service
- 150 psig closeoff pressure rating
- 35 to 250°F fluid temperature rating
- 15 psig saturated steam at 250°F
- minimum ambient operating temperature: 35°F in water and steam applications

- maximum ambient operating temperature: 122°F in water applications and 100°F in steam applications
- equal percentage flow characteristic
- rangeability — greater than 150:1
- leakage — bubble tight per ISO-5208; exceeds ANSI/FCI 70-2, Class VI
- tested greater than 200,000 cycles in iron-oxide contaminated water

For complete details, refer to Product/Technical Bulletin LIT-977132.

To Order

Specify the code number from the following selection chart.

Selection Chart: Two-Way Threaded (NPT)

				Spring Return – Valve Open (See Notes 1, 2, & 4)		Spring Return – Valve Closed (See Notes 1, 3, & 4)	
				On/Off Floating	0 to 10 VDC Proportional	On/Off Floating	0 to 10 VDC Proportional
Valve	Size	Cv	Close-off	M9206-AGA-2 M9216-AGA-2 M9206-AGC-2 M9216-AGC-2	M9206-GGA-2 M9216-HGA-2 M9206-GGC-2 M9216-HGC-2	M9206-AGA-2 M9216-AGA-2 M9206-AGC-2 M9216-AGC-2	M9206-GGA-2 M9216-HGA-2 M9206-GGC-2 M9216-HGC-2
Without Auxiliary Switches							
VG1243BC	3/4"	28.7	150	VG1243BC+936AGA	VG1243BC+936HGA	VG1243BC+956AGA	VG1243BC+956HGA
VG1243CC	1"	48.3	150	VG1243CC+926AGA	VG1243CC+926HGA	VG1243CC+946AGA	VG1243CC+946HGA
VG1243DC	1-1/4"	82.6	150	VG1243DC+926AGA	VG1243DC+926HGA	VG1243DC+946AGA	VG1243DC+946HGA
With Auxiliary Switches							
VG1243BC	3/4"	28.7	150	VG1243BC+936AGC	VG1243BC+936HGC	VG1243BC+956AGC	VG1243BC+956HGC
VG1243CC	1"	48.3	150	VG1243CC+926AGC	VG1243CC+926HGC	VG1243CC+946AGC	VG1243CC+946HGC
VG1243DC	1-1/4"	82.6	150	VG1243DC+926AGC	VG1243DC+926HGC	VG1243DC+946AGC	VG1243DC+946HGC

Note 1: The valve is open when the actuator is in the fully CCW position.

Note 2: Spring return open valves – valve is open at 0 VDC input signal.

Note 3: Spring return closed valves – valve is closed at 0 VDC input signal.

Note 4: Control action of the actuator is reversible via a jumper or switc – factory setting as direct acting.

Actuator Sizing

Actuator	Two-Way Valves
M9206-xGA-2	VG1243 (3/4")
M9216-xGA-2	VG1243 (1 & 1-1/4")
M9206-xGC-2	VG1243 (1/2")
M9216-xGC-2	VG1243 (3/4, 1, & 1-1/4")