



## Rotary actuators for ball valves

# VA9208

*(Joventa BxFx.08S)*

*8 Nm, ON/OFF, floating and proportional control  
Rotary actuators for ball valves*

The VA9208 series electric spring return actuators are direct-mount actuators.

These bidirectional actuators are used to provide accurate positioning on Johnson Controls® VG1000 Series DN32 up to DN50 ball valves in Heating, Ventilating and Air Conditioning (HVAC) applications.

Two integral line voltage auxiliary switches are available only on the VA9208-xxC-1 models, indicate end-stop position, or perform switching functions within the selected rotation range.

A graduated scale from 0% to 100% and a position indicator provide visual indication of the valve's opening.

When power fails during service, the mechanical spring return system open or close the valve ports.

The series includes the following control options:

ON/OFF, 24 V AC/DC, 230 V AC power

ON/OFF and floating control, 24 V AC/DC power

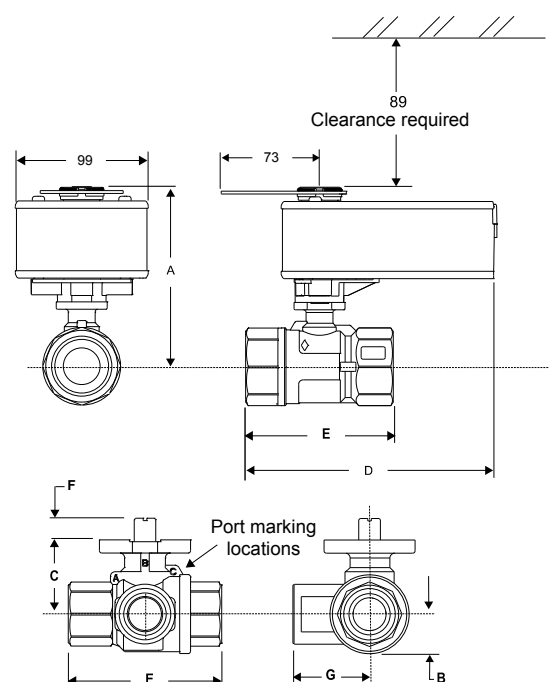
Proportional, 24 V AC/DC power, for 0(2) to 10 VDC or 0(4) to 20 mA control

### Features

- ▶ 8 Nm rated torque
- ▶ Mechanical spring return system
- ▶ Direct-coupled design
- ▶ Reversible mounting
- ▶ Rugged IP54 rated enclosure
- ▶ Electronic stall detection
- ▶ Double-insulated construction
- ▶ Microprocessor controlled brushless DC motor (-AGx and -GGx models)
- ▶ External mode selection switch (-AGx and -GGx models)
- ▶ Integral cables with colored and numbered conductors
- ▶ Optional integrated auxiliary switches
- ▶ UL, CE, and C-Tick Compliance
- ▶ Manufacturing under International Standards Organization (ISO) 9001 Quality Control Standards.



VA9208 mounted on VG1000



### Dimensions in mm

Valve size mm (DN)	A	B	C	D	E	F	G
DN32	195	26	44	184	109	9	54
DN40	200	29	48	189	119	9	59
DN50	204	37	53	195	139	9	74

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### Ordering information

Codes		Torque	Running time		Control signals	Supply voltage (50/60Hz)	2 Auxiliary Switches
Johnson Controls	Joventa		Motor	Spring			
VA9208-GGA-1	BMF1.08	8 Nm	150 s	17...25 s	Proportional	24 V AC/DC	---
VA9208-GGC-1	BMF1.08S				•		
VA9208-AGA-1	BBF1.08				---		
VA9208-AGC-1	BBF1.08S				•		
VA9208-BGA-1	BAF1.08		53...71 s	13...26 s	ON/OFF	230 VAC	---
VA9208-BGC-1	BAF1.08S						•
VA9208-BDA-1	BAF2.08						---
VA9208-BDC-1	BAF2.08S						•

### Accessories (order separately)

Codes	Description
M9000-200	Commissioning tool that provides a control signal to drive 24 V ON/OFF, floating, proportional and/or resistive electric actuators
M9000-560	Ball valve linkage kit for applying M9203 and M9208 series actuators to VG1000 series valves (quantity 1)
M9000-561	Thermal barrier extends M(VA)9104, M(VA)9203 and M(VA)9208 series electric spring return actuator applications to include low pressure steam (quantity 1)
M9000-341	Weathershield kit for VG1000 series ball valve application of M(VA)9104, M(VA)9203 and M(VA)9208 series electric spring return actuators (quantity 1)
M9000-607	Position Indicator for VG1000 Series ball valve applications (quantity 5)