

HVAC CONTROL PRODUCTS

Actuators

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 Point, 24 V AC/DC power

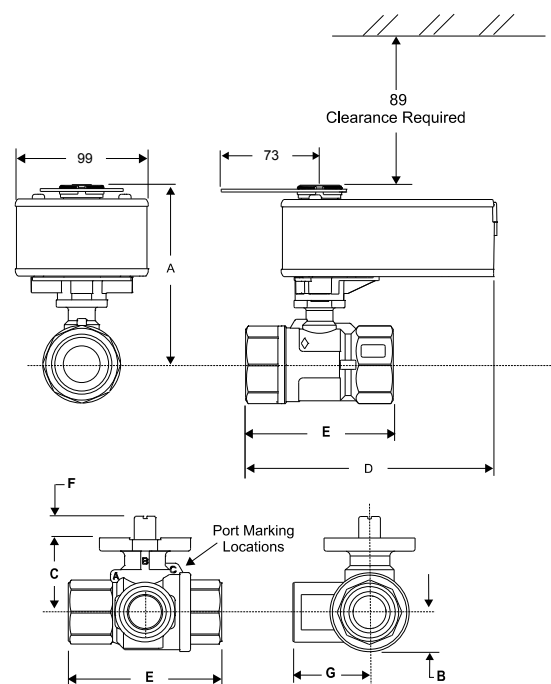
Proportional, 24 V AC/DC power, for 0(2) to 10 VDC or 0(4) to 20 mA Control

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 Codes		
Johnson Controls	Joventa	Description
VA9208-GGA-1	BMF1.08	8 Nm Spring Return Actuator for Valves, Proportional, 24 V AC/DC
VA9208-GGC-1	BMF1.08S	8 Nm Spring Return Actuator for Valves, Proportional, 24 V AC/DC, 2 Switch
VA9208-AGA-1	BBF1.08	8 Nm Spring Return Actuator for Valves, Floating & ON/OFF, 24 V AC/DC
VA9208-AGC-1	BBF1.08S	8 Nm Spring Return Actuator for Valves, Floating & ON/OFF, 24 V AC/DC, 2 Switch
VA9208-BGA-1	BAF1.08	8 Nm Spring Return Actuator for Valves, ON/OFF, 24 V AC/DC
VA9208-BGC-1	BAF1.08S	8 Nm Spring Return Actuator for Valves, ON/OFF, 24 V AC/DC, 2 Switch
VA9208-BDA-1	BAF2.08	8 Nm Spring Return Actuator for Valves, ON/OFF, 230 V AC
VA9208-BDC-1	BAF2.08S	8 Nm Spring Return Actuator for Valves, ON/OFF, 230 V AC, 2 Switch

Accessories (order separately)

Ordering 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)