

Pneumatic Actuator

Description

The V-3000 Pneumatic Actuator can position steam or water valve-modulating plugs in response to a pneumatic signal from a controller.

Features

- molded synthetic rubber diaphragm design provides a constant effective area throughout the valve stem stroke
- die cast aluminum housing coated with corrosion-resistant finish
- remove or reposition actuator by loosening a single set screw
- easily field mounted to the valve bonnet with a single set screw.
- can be mounted to any of the V-3000, V-4000, or VT Series Valves (except V-3854)

Applications

Used on 1/2 in. Flare Valves, VT Series Valves, and 3/4 to 1-1/2 Cage Trim Valves. This actuator is not used with VG7000 Series valves.

Repair Information

If the V3000 Series Pneumatic Actuator fails to operate within its specifications, replace the unit. For a replacement actuator, contact the nearest Johnson Controls® representative.



Exposed V-3000-1 Actuator

Selection Charts

V-3000 Series Pneumatic Actuator

Code Number	Description
V-3000-1	Exposed Yoke

Accessories for Exposed Model V-3000 (Order Separately)

Code Number	Description
V-3000-10	Valve Position Indicator
V-9502-15	Positioner Kit

Note: Also refer to *V-9000-500 Positioner Catalog Page (LIT-1924095)* on Page 83 and *V-9502 Series Pneumatic Valve Actuator Positioners Catalog Page (LIT-1924100)* on Page 84.

Technical Specifications

V-3000 Series Actuators	
Media Temperature	281°F Maximum
Maximum Control Pressure	30 psig
Available Spring ^a Ranges	3-6, 4-8, and 9-13 psig
Air Connection	1/8 in. NPT Barbed Fitting for 5/32 in. O.D. Poly tubing
Size (in.)	3 H x 4-7/16 Diameter

a. A spring is assembled with the valve body, not in the actuator. For spring kits to field mount V-3000-1 to valve bodies, refer to *Valve Spring Kits Sorted by Valve Code Number Catalog Page (LIT-1924395)* on Page 288.