

V-3000 Series

# 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.

Refer to *V-3000 Pneumatic Valve Actuator Exposed or Enclosed Product Bulletin (LIT-977250)* for important product information.

## 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 <sup>1</sup> |

1. Refer to *V-9502 Series Pneumatic Valve Actuator Positioners Catalog Page (LIT-1924100)*.

## Technical Specifications

| V-3000 Series Actuators              |  |
|--------------------------------------|--|
| Media Temperature                    | 281°F Maximum  |
| Maximum Control Pressure             | 30 psig  |
| Available Spring <sup>1</sup> 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                                    |

1. 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)*.

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