

## Series 6P P/P Positioner for Double Acting and Spring Return Actuators

### OVERVIEW

The Bray Series 6P positioner provides outstanding control for a wide range of quarter-turn valves. This design provides fast, sensitive response characteristics to meet the most demanding control objectives using a 3-15 psi pneumatic control signal. A high visibility dome position indicator and 3 gauges are provided as standard.

### APPLICATIONS

Bray Series 6P positioners are used to control quarter-turn control valves such as butterfly and ball valves (standard and segmented) and its sensitive two-stage relay makes it ideal for precise damper control applications.

For modulating control of valve positions, the Series 6P automatically positions the valve to precise angles between 0° and 90° in response to a pneumatic input signal. The standard positioner is Double Acting but can be easily converted to Single Acting/Spring Return. The 6P also has Split Range capabilities and an easy to adjust Span and Zero.

Specify Bray Series 6P whenever valve positioning and sensitivity is critical.

### MOUNTING AND MATERIALS

- > The Series 6P can be installed directly on any quarter-turn valve actuator conforming to the NAMUR standard.
- > The Series 6P housing is constructed from durable die-cast aluminum that is first anodized for internal corrosion resistance, then powder coated for external resistance to harsh environments.
- > Contact your local Bray Distributor for information about mounting the 6P on non-NAMUR actuators.

### OPTIONS / ACCESSORIES

- > **Special Cams:** Special cams for non-standard ranges may be modified by the factory or customer.
- > **Air Filter:** A coalescing air filter is recommended for all positioners to eliminate dust, moisture, and oil particles from contaminating the unit.
- > Position feedback limit switches
- > 4-20 mA position feedback transmitter



### SPECIFICATIONS

<b>Connections</b>	NPT and IP65 DIN connections offered with both single and dual coils
<b>Ports</b>	1/4" NPT
<b>Communication Protocols</b>	None
<b>Duty Cycle</b>	Continuous
<b>Supply Media</b>	Clean dry air
<b>Control Options</b>	4-20 mA, Communication Protocols
<b>Enclosure Ratings</b>	IP66
<b>Temperature Range</b>	-4°F to 150°F (-20°C to 70°C)
<b>Mounting</b>	VDI/VDE 3845 (NAMUR)
<b>Supply Pressure</b>	20 - 100 psig (1.4 - 7.0 bar)
<b>Applications</b>	Double and Single Acting, Direct and Reverse
<b>Housing</b>	Die-cast Aluminum

**STANDARD FEATURES**

- > **Two-Stage Pilot Relay** - Provides fast, sensitive response characteristics for precise control of critical control valves and dampers.
- > **Corrosion Resistant Materials** - All exposed parts are either stainless steel or powder coated anodized aluminum to permit use in corrosive environments.
- > **High Visibility Dome Position Indicator** - Provides high-contrast, full-angle viewing of valve position.
- > **Vibration Resistant** - High natural frequency and pneumatic dampening make the Series 6P resistant to vibration.
- > **Gauge Manifold** - 3 gauges are provided for Signal, OUT 1, and OUT 2 ports.
- > **Double or Single Acting**
- > **Adjustable NAMUR Mounting Bracket**

