

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

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

