



Accurate Valve Positioning

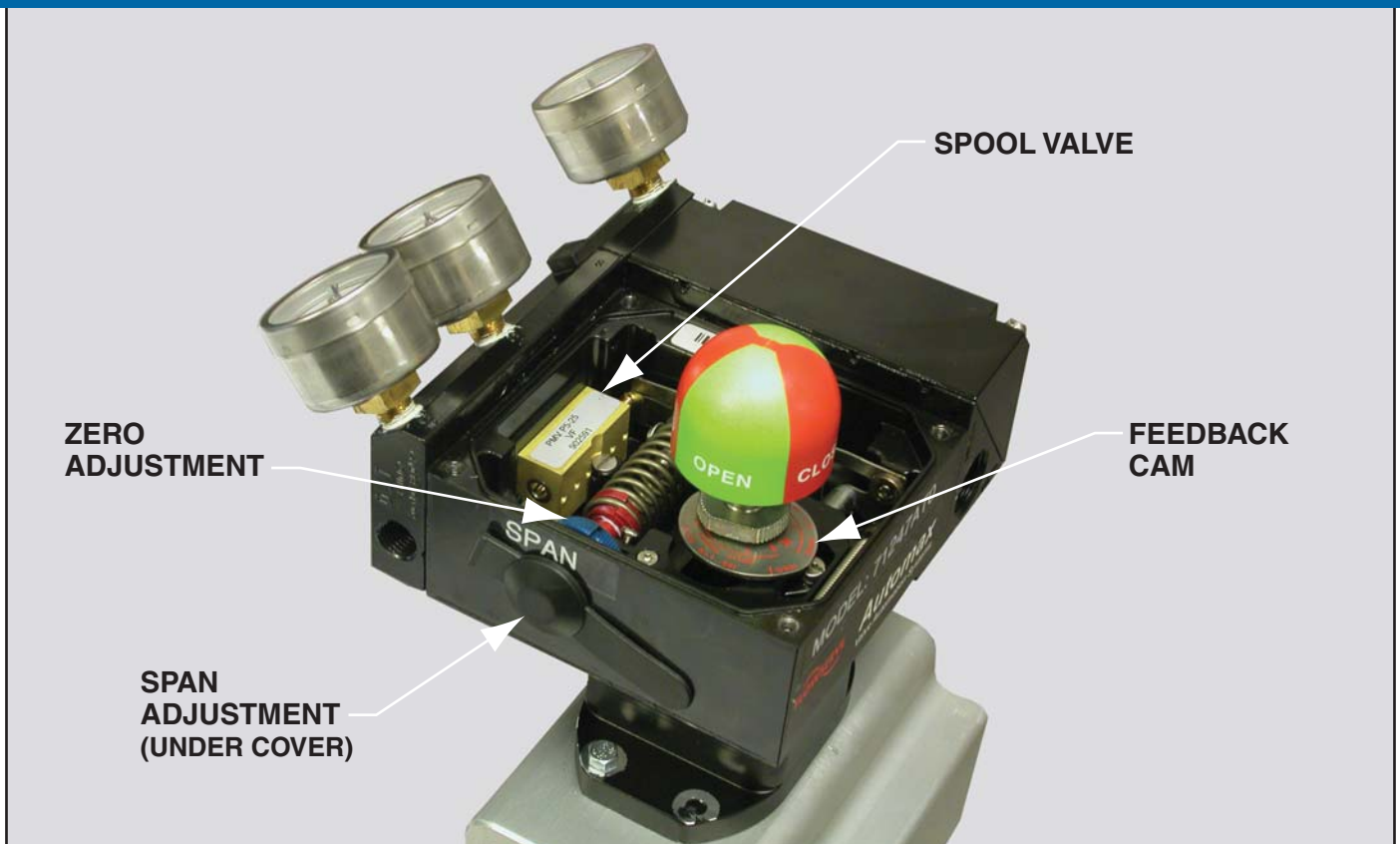
The Posi-flate® Model 7000 Pneumatic Positioner provides accurate valve positioning with advanced features. A current-to-pressure transducer for 4-20 mA signal inputs proportionally positions the disc.

Applications

A high flow spool valve, plus an adjustable gain system, make the pneumatic positioner well suited for use with all pneumatic rotary actuator types including rack-and-pinion, heavy duty and others. The positioner housing is constructed of durable epoxy coated, die cast aluminum for protection against the toughest applications in all process industries.

Features

- *Non-interactive span adjustment*
Reduces calibration time.
- *Corrosion-resistant materials*
All exposed parts are constructed of heavy-duty anodized aluminum or stainless steel.
- *Captive cover screws*
Permits calibration without potential for losing screws.
- *Visual dome indicator*
Provides fully adjustable, high-contrast, full-angle viewing of valve position.



Materials of Construction

Part	Materials
Housing/Cover	Epoxy Coated Aluminum
Shaft	Stainless Steel
Diaphragm Cover	Epoxy Coated Aluminum
Diaphragm	Nitrile Rubber
Balance Arm	Stainless Steel
Feedback Spring	Stainless Steel
Lower Arm Assembly	Die Cast Aluminum
Rod	Stainless Steel
Spring	Stainless Steel
Twist Stop	Stainless Steel
Cam Follower Bearing	Hardened Steel
Spool Valve	Gold-Plated Steel
Cam Locknut	Zinc-Plated Steel
Ball Bearing	Stainless Steel
Cam	Stainless Steel
Indicator	Polycarbonate
Feedback and Cam Springs	Stainless Steel
Shaft Snap Rings	Stainless Steel
Posts and E-Clips	Stainless Steel

Performance Specifications

Parameter	Units & Value
Repeatability	0.5% Full Scale
Hysteresis & Deadband	0.8% Full Scale
Linearity	0.7% Full Scale
Air Capacity @ 60 psi	Std. 9.6 SCFM
	High 18 SCFM
Position Sensitivity	0.2% of Span
Air Consumption	0.31 SCFM @ 87 psig (6 barg)
Temperature Range	-4° F to 185° F* (-20 C to 85 C)
Input Signal	3 to 15 psig (0.2 to 1 barg)
Max. Supply Pressure	150 psig (10 barg)
Weight	2 lbs. (0.9 kg)

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posi-flate®
butterfly valves

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