



Leslie Controls

CIRCOR
ENERGY

Actuators & Positioners

Magnum Piston Actuators/DPS Electro-Pneumatic Positioner

Magnum Series piston actuators use low volume and long stroke to maximize bleed and feed rates. Externally mounted spring return modules minimize residual volume and maximize speed of response. This low volume translates into high speed of response.

Leslie's DPS positioner, derived from Leslie's patented PMC electro-pneumatic controller technology, provides ultra-fast, stable response using a pulse modulated output and a non-mechanical, optical/digital stem position feedback.

The DPS positioner supplies a digitally controlled pneumatic output (up to 12 SCFM - 60psi supply) and uses a non-contact, direct connected optical reader. With no mechanical feedback linkages to loosen or wear, accuracy and repeatability do not degrade over time.

When mounted on an Aeroflow high gain control valve with a 6" Magnum actuator, stroke speed can exceed 3" per second. You read it right, 3" per second - with no overshoot.



Diaphragm Actuators



Leslie spring and diaphragm actuators are rugged high thrust units with flanged yoke to bonnet connections for simple maintenance and better access to stem packing. These workhorses of our control valve lines have been proven and perfected for nearly forty years of in-service usage. They are available in four sizes: 35, 55, 85, and 135 in.²

Electric Actuators

The Rexa X-PAC and T-PAC electrohydraulic linear actuators are designed for modulating and two position service. These actuators feature a self-contained electrohydraulic power module utilizing the patented Rexa Flow Match System. This technology allows precise cylinder positioning, independent of load variations, and locks the cylinder in place when no movement is required. Because the system is hydraulically stiff, instabilities and positioning errors are eliminated. Standard output thrust ranges from 2,000-10,000 lbs. Strokes are available up to 6 inches. Optional features include spring failure, position transmitter and handwheel. Digital, pulse, dry contact and 4-20 mA input options are available. Direct coupled rotary models are available as the R series actuator.



For thrust requirements up to 2000 lbs., Leslie offers Jordan Controls electric actuators which include a wide variety of options. Standard features include 120 or 240 VAC operation, permanently lubricated motors, anti-condensation heater and feedback transmitters. Position switches are standard on most units.

Positioners

The Moore 760 Series pneumatic and electro-pneumatic positioners provide cam characterization, split ranging, direct or reverse action and single or double output. Key features include non-interaction of zero and span adjustments and the positive cam locking mechanism for easy calibration.

The PMV models P5 (pneumatic) and EP5 (electro-pneumatic) positioners offer a wide variety of options due to their modular construction. These high capacity, vibration resistant units are easily mounted on both rotary or rectilinear actuators, with a variety of cams to choose from. Available options included limit switches, potentiometer or 4-20 mA transmitter, provided in a completely sealed F5 module.



