

The Perfect Servo Electric Valve Actuator A Revolutionary Improvement in Actuator Technology

Built-in Positioner (Tritex)

The Tritex II actuators from Exlar include a built in positioner with a 4-20 mA signal to tell you the exact stroke position.

Full Torque at All Speeds

Unlike some actuators, Exlar provides full torque at all speeds and positions.

Extreme Accuracy

The Exlar actuators stroke the valve based on position, not air or oil pressure. Accuracy and repeatability are better than 0.1%.

100% Duty Cycle

Exlar's unique way of converting rotary motor motion to a linear force using a roller screw provides full modulation capability. Life is measured in 100's of million strokes vs. 3000 like typical electric actuators.

Custom Valve Seat

Exlar actuators stroke the valve based on position – but can switch to torque mode when seating the valve. This allows a tight cut off. It also helps with retrofitting valves that may have some wear. For new valves, it makes sure damage isn't done due to over forcing the stroke.

Actuators for most Applications

- Linear actuators to over 12,000 lbf
- Rotary Actuators to 4600 lbf-in torque
- Speeds up to 40 in/sec
- Mounts to any valve from any manufacturer



Built-in Feedback

Exlar actuators know their exact position at all times due to the built in feedback position sensors

Fast Response

No stiction delays or overshoot problems. Exlar actuators respond in milliseconds to signal commands.

High Repeatability

With a very small hysteresis, the Exlar actuator will go to the same position every time.

High Stiffness

Similar to hydraulic actuators without the cost or maintenance issues; Exlar actuators are extremely stiff, so dynamic flow problems like negative gradients aren't a problem.