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.

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

Full Torque at All Speeds
Unlike some actuators, Exlar provides full torque at all speeds and positions.

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

Extreme Accuracy
The Exlar actuators stroke the valve based on position, not air or oil pressure. Accuracy and repeatability are better than 0 .1%.

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

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.

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.

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

Call us at 952-500-6200 or email info@exlar.com to learn how to optimize your application. You may also visit www.exlar.com for full product information.