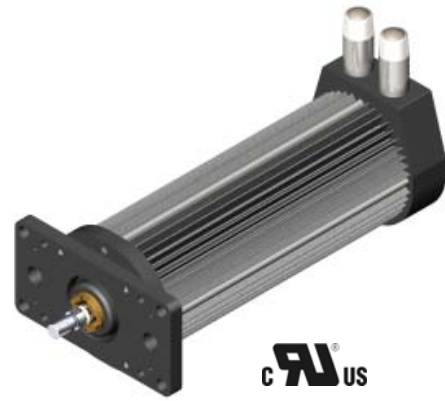


New Development From:

EXLAR

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Explosion-Proof EL30 Linear Actuator

**High-Res image available
at www.exlar.com/forpress_files**

For Immediate Release

Explosion-Proof Linear Actuators Available from Exlar

Chanhassen, MN – April 14, 2005 – Exlar's linear actuator line has been expanded to include explosion-proof linear actuators rated for Class I, div 1, Groups B, C and D hazardous environments. The EL Series linear actuators from Exlar offer the user all of the advantages of Exlar's patented inverted roller screw actuator designs used by thousands of customers world-wide. The roller screw technology manufactured by Exlar outperforms rival ball screws by 15 times in travel life and can carry higher loads. The compact design allows users to effectively replace hydraulic cylinders.

The EL Series linear actuators integrate a highly efficient planetary roller screw mechanism with a high torque servomotor in a single self-contained package. The roller screw consists of multiple threaded rollers assembled in a planetary arrangement around a threaded shaft. This highly robust design is designed to provide reliable and precise operation over thousands of hours, handling heavy loads even under very arduous conditions.

Exlar's servo-electromechanical systems offer a clean, fast, simple and cost effective replacement for hydraulic actuation and a simpler, longer life alternative to pneumatic actuation. With an increased demand for accuracy, servo-electromechanical systems can easily integrate current technology such as digital positioning and communication, while adding other rewards such as system diagnostics and critical system data. Reduced emissions, reduced energy consumption (80% system energy efficiency), increased position control and accuracy – all leading to reduced cost – are provided by servo electric actuation. Other features include

- Speeds to 25 ips
- Forces to 2700 lbs

- 8 pole brushless motors
- Various rod end selections
- Multiple brushless motor performances available with feedback configurations compatible with nearly any resolver-based servo amplifier
- Several mounting configurations
- Potted Class I, div 1 NPT connectors
- Windings available from 24 VDC to 460 VAC rms
- UL recognized
- 180H insulation system
- Class I, div 1 Group B, C and D hazardous environment rating

Also optimizing the EL Series actuators for process applications is their excellent contamination protection. In conventional rotary to linear devices, the critical mechanisms are exposed to the environment and therefore require frequent inspection, cleaning and lubrication. In contrast, all converting components in the EL Series actuator are mounted within the sealed motor housing, which is IP65 rated. The smooth extending rod allows the use of a bushing and seal arrangement, which prevents abrasive particles and other forms of contamination from entering the actuator's critical mechanisms. This assures trouble-free operation even in the most severe environments.

EL Series explosion-proof actuators are well-suited to many applications such as:

- Turbine fuel flow
- Printing presses
- Engine test stands
- Fuel distribution systems
- Chemical processing plants
- Paint booths
- Shipboard fuel management

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Exlar Corporation designs, manufactures and sells linear and rotary motion products worldwide. For general product information, contact Exlar Corporation, 1470 Lake Drive West, Chanhassen, MN 55317, phone 952-368-3434, and fax 952-368-4877. Visit our website at www.exlar.com.