

T-type



ISO or MSS Mounting

EPT actuators have valve mounting pads in accordance with MSS SP-101 or ISO 5211 standard.

Torque Outputs

EPT actuators have torque outputs ranging from 398N.m (3,526inch-lb) up to 800,000N.m (7,088,000inch-lb) and are rated for continuous operation at pneumatic pressures from 3Bar (40psig) to 12Bar (170psig).

Temperature Range

Standard range: -20°C to +80°C (-30°F to +144°F)
Special Low Temperature (optional): -45°C to +80°C (-81°F to +144°F)
Special High Temperature (optional): -20°C to +177°C (-30°F to +318.6°F)

Advanced Sealing Compounds

EPT-series actuator utilizes both PTFE and rubber seals. The PTFE seal offers a high level of sealing performance and is self-lubricating, ensuring smooth operation of moving parts. The rubber seal offers long term, high performance sealing with no tendency to set or creep.

Piston Guide Ring

EPT actuator has a guide ring fitted to the piston to prevent lateral deflection, and ensure smooth and steady operation.

Replaceable Bearing

Low friction, permanently lubricated, high performance bearings protect all components, extending actuator life by ensuring smooth operation. Bearing replacement is simple and instructions can be found in the operating & maintenance manual.

Optional Manual Override

Optional manual overrides such as jackscrew, gear and hydraulic override can be incorporated in accordance with customer's requirements. The specially designed hydraulic override cylinder is installed inside the spring module; this standardizes actuator overall length and isolates the hydraulic fluid to eliminate contamination and spillover.

External Tie Rods

Externally mounted tie rods secure the piston cylinder assembly. These tie rods are designed to maintain cylinder integrity in the case of over pressurization by the pneumatic supply. Also external tie rods help to protect the cylinder from accidental damage.

Simple Actuator Mounting

EPT actuator yoke is designed with two full-length keyways. This not only simplifies assembly but also allows for ease of modification to the actuator orientation to accommodate last minute pipe work changes, in addition to providing easier visual confirmation of alignment, thus reducing maintenance and assembly time.

Wear Resistance

EPT actuator guide rod has an advanced surface treatment, which, combined with self-lubricating bearings, provides superior wear resistance and extends the life of all sliding components.

Jackscrew override



Gear override



Hydraulic override

