

Linear Actuators

Corrosion resistant pneumatic actuator
that is unequalled in control and on/off applications



L SERIES
type-B



The Leader in Actuator Technology



L SERIES *type-B* FULLY AUTOMATED LINEAR DOUBLE ACTING, FAIL UP OR DOWN OPTIONS AND PARTIAL STROKE TESTING

Pressures to 10.3 bar (150 psig)

Output Thrust to 204,618 N (46,000 lbf)

Temperatures from -60°C to 260°C (-76°F to 500°F)

Stainless Steel or Steel/Composite Construction

Strokes to 102 mm (4")

True Spring Return – Linear Actuation

QTRCO linear actuators provide a safe, long lasting, alternative for diaphragm actuators in a smaller package.

Superior Control Capability

- Minimal friction by design
- Exceptional linearity
- Excellent frequency response
- Meets Entech Control Valve Dynamic Specification

Platform Flexibility

- Easily adapts to globe, gate, diaphragm or any other type of linear valve
- Readily accepts actuator mounted accessories such as positioners, volume boosters, switches, etc.

Scalable Design offers a wide range of travels and output thrusts to suit every application

Long Service Life

- Robust design
- Premium materials of construction
- Non-Proprietary Seals



HIGH CYCLE LIFE, HIGH SPEED, HIGH RELIABILITY



BUILT TO LAST

Due to our belief that actuators should not fail - all QTRCO actuators feature robust designs and premium materials

MATERIALS OF CONSTRUCTION

Mechanism	CF8M Stainless Steel or Carbon Steel
Housing	CF8M Stainless Steel or Carbon Steel
Cylinders	316 Stainless Steel <i>Optional: Amalga Composite or Aluminum</i>
Pistons	CF8M Stainless Steel or Carbon Steel
Springs	Powder Coated Chrome-Silicon Steel, <i>Optional: Stainless Steel</i>
Seals	BUNA <i>Optional: Viton, Silicon</i>

Compact Construction
As much as 50% smaller than spring
& Diaphragm actuators

Safety & Ease of Maintenance

Never Compromising Safety -
Captured springs safely
provide access for on-the-valve
replacement of contaminant
damaged piston seals.



SEAL REPLACEMENT
IS DONE IN PLACE,
ON-THE-VALVE

IF NECESSARY...

After removing the air supply lines, the end cap and cylinder are readily removed from the actuator and the non-proprietary piston seal is then easily replaced. The stainless steel cylinder resists scratching but if it is damaged, it too is independently replaceable. In fact, with our spring return actuators, the cylinder can be turned end for end and reinstalled as the length of the cylinder provides for an entirely new sealing surface.

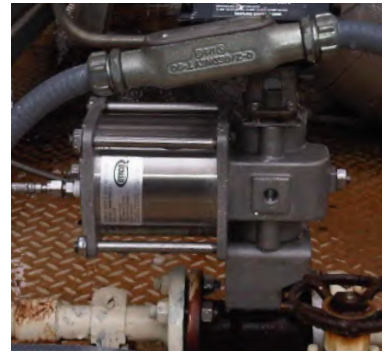




AMAZINGLY RELIABLE

Based on a patented low friction design our actuators were introduced to the market in 1998. Since then hundreds of users have found them to outperform and outlast competitors actuators.

One user has over 1,000 double acting Rack & Gear® actuators installed as long as sixteen years in a challenging offshore application with no failures to date. Another with over 300 installed spring return actuators—many from 1999—jokes that, “we’ll get one to fail someday;” and still another chose our Rack & Gear® actuators to replace corroding rack & pinion actuators back in the year 2000. All three continue to specify QTRCO Rack & Gear® actuators for their applications based on the actuator performance record as well as the exceptional response of our organization.



Check Out These Resources

- Product Bulletin
- Instruction Manual
- Proven Results
- Sizing and Specification Tool

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