

Rotork's GO Range of pipeline actuators are designed to use pipeline gas as the motive power source. The quarter-turn actuators for ball, butterfly and plug valves or linear actuators for gate valves are designed for rugged, heavy-duty performance in the most corrosive of environments. The prime movers are our standard high-pressure hydraulic quarter-turn and linear actuators proven in thousands of applications worldwide.

Our modular design, high-pressure/high-flow manifold system allows us to configure a wide variety of control options ranging from simple local/remote pilot operated through to pressure sensing and line break. The integral manifold has the facility for a high-flow hand pump, pressure relief and a locking handle for safe commissioning. Both high and low-pressure control logic designs are available.

GO Range actuators are in service in a variety applications throughout the world. End user specifications include: NIGC, BOTAS, NIOC, GSPL, KOC, Pemex, BP, and Shell.



Control System Options

- Linebreak systems.
- High and or low-pressure sensing.
- Torque limiting.
- High differential pressure inhibit.
- Control cabinet stainless or GRP.
- Custom gas filtration.
- Power gas storage tanks.
- Emergency shut down solutions.
- Remote control and indication.

Standard Actuator Features

- Actuators certified in accordance with ATEX 94/9/CE and IP66M/67M for environmental protection.
- Actuators certified in accordance with PED (European Pressure Equipment Directive).
- Electroless nickel-plated cylinders for corrosion resistance and extended service life.
- Manual override for emergency operation.
- Tanks certified to ASME calculations and U stamped option.
- ISO 9001:2000 certified design and manufacturing process.
- Standard temperature range -30°C to 100°C (-22°F to 212°F). Builds to -60°C (-76°F) available.
- Torque output up to 600,000 Nm (5.3 million lbf-in).

Because of our exacting standards and commitment to providing the best possible products to our customers, Rotork Fluid System has designed and manufactures many control components. Some are outlined below.

MULTI-FUNCTION MANIFOLD BLOCK

- Dedicated pumps for each direction prevents leakage or contamination between gas-over-oil tanks.
- Pump volume and effort required is selected to suit the actuator and valve.
- Reverse flow pump protection valves.
- Integral flow control valves for both directions.
- Integral gas filter.
- Leak free high flow poppet valve design.
- Anodised aluminium construction.



TORQUE LIMITING DEVICE

Protects the valve from excessive torque loads.
User definable setting.



LINEBREAK SAFETY SYSTEM

Pipeline pressure monitoring device that will signal the actuator if a set rate of pressure drop is detected.

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All Rotork Fluid System actuators are manufactured under a third party accredited ISO9001:2000 quality assurance programme.

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As we are continually developing our products, their design is subject to change without notice.