



DeZURIK DR-40B ROTARY DIAPHRAGM ACTUATOR

316 Stainless Steel Diaphragm Actuator

The new DR-40B rotary diaphragm actuator sets the industry standard for accurate performance, rugged construction and long, economical service life. The 316 stainless steel materials in the DR-40B actuator provide corrosion resistance for a wide range of demanding industrial environments.

Stainless steel construction includes:

- All external components are 316 stainless steel.
- The actuator-to-valve adapter is 316 stainless steel on stainless steel body BHP, RCV, VPB valves
- Positioner mounting hardware is 316 stainless steel
- Accessories can be piped with either 316 stainless steel flexible braided hose or rigid tubing.

Common ISO-5211/1 Bolt Pattern

The common ISO-5211/1 bolt pattern allows the DR-40B Rotary Diaphragm Actuator to be easily interchanged on rotary control valves including:

- VPB V-Port Ball Valves
- RCV Rotary Control Valves
- BHP High Performance Butterfly Valves
- 1/2-3" PEC Eccentric Plug Valves

Enclosed Construction

The actuator is sealed and gasketed to protect internal parts from grit, moisture and corrosive contaminants. The spring is pre-caged at the factory for increased safety.



Smooth Throttling Control & Accuracy

The rigid connections between the valve and actuator, and between the actuator and positioner, assure accurate valve positioning with no backlash. The actuator coupling is supported at the top and bottom

Fail Safe Operation is Easily Field Reversible

The DR-40B is designed for on-off or modulating service in either a Reverse (spring-to-close) or Direct (spring-to-open) mode. Action can be easily changed in the field by flipping the actuator over, with no additional parts required.



Externally Adjustable Stops

Stops are pre-set at the factory to ensure proper valve seating. If the valve or actuator ever requires maintenance, the externally positioned stop bolts are easily adjustable.

External Position Indicator

A position indicator is externally mounted and provides a visible indication of valve position.

OSHA Field Lockout Available

All DeZURIK rotary diaphragm actuators can be specified with a lockout device that meets OSHA requirements. Depending on lockout option selected, valves can be locked in the open position, closed position, or at both ends of the stroke.

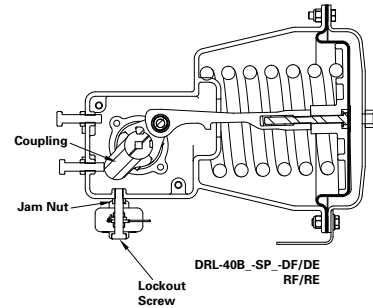
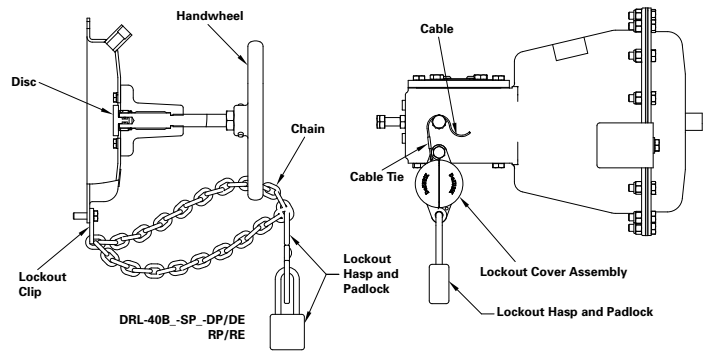
Lockouts for the pressure end of the stroke include a throttling manual override that is equipped with a chain and padlock to prevent operation. The throttling manual override also allows operation of the valve in case of air supply failure.

Lockouts for the failure end of the stroke include a lock screw that can be tightened against the coupling and secured with a lockout cover assembly to prevent unintended operation.

Both options can be provided when lockout at both ends of the stroke is required.

Larger Diaphragm Actuators Available

For larger rotary control valves, DeZURIK offers four additional models: DR-55, DR-85, DR-145A and DR-250A. These actuator sizes also include smooth throttling control, pre-caged springs, weatherproof construction, externally adjustable stops and OSHA lockout devices. These actuators feature epoxy coated cast iron and steel construction for corrosion resistance.



Sales and Service

For information about our worldwide locations, approvals, certifications and local representative:

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