

FLOWBUS[®]

EPL Series

Rugged & Compact Linear Valve Actuators



Key Advantages : EPL Series



FLOWBUS EPL Series linear valve actuators are specifically designed for use in a comprehensive range of field-proven linear valves such as gate valves, globe valves and other linear valves. The EPL linear actuators are manufactured in accordance with strict quality standards and ensure reliability and safety in your plant.



01 Wide Range of Force Output

The EPL double-acting actuator force output ranges from 65kgf to 61,219kgf, while the spring-return actuator produces spring end force from 20kgf to 41,770kgf. The actuators are rated for continuous operation at pneumatic supply pressures up to 12bar (175psi) based on their M.O.P.

02 Safe Piston Guide Ring

EPL actuators have a guide ring fitted to the piston to prevent lateral deflection, ensure smooth, steady operation and extend piston life.

03 High-Strength Cylinder Tube Coating

EPL actuators incorporate a hard chrome internal coating to resist wear, corrosion, and thermal and physical shock while providing a low-friction lubricating interior finish. The coating ensures that the cylinder tube is fully protected regardless of what corrosive elements are drawn in from the surrounding atmosphere. To ensure long life, the coating is made to bond to the cylinder surface, eliminating the problems of cracking or flaking experienced with inferior solutions. Electroless nickel, Teflon-plated cylinders, and any other protection coating are offered as options and are available in accordance with the industry application.

04 External Tie Rods

External tie rods protect the cylinder tube from accidental damage during piping work and prevent deformation.

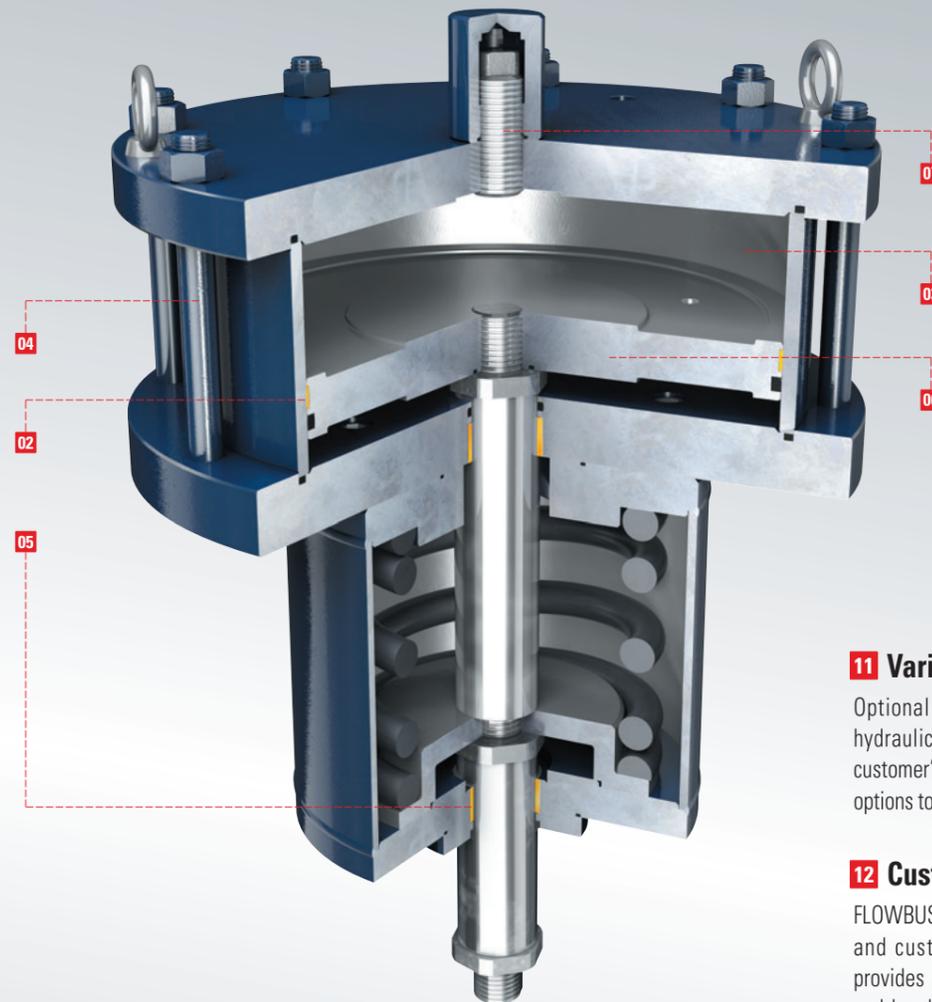
05 Dust Wiper (Scraper) Seal

The dust wiper seal is a special seal that keeps dirt and contaminants out. In addition, the low-friction wiper reduces friction while increasing dust sealing for smoothness with increased durability.



06 Reliable Piston Design

A piston rod supported by hard chrome provides minimal friction and extended service life. The precision-machined steel piston incorporates an anti-friction wear ring and prevents the stick slip effect after prolonged periods without operation.



09 Optional Cushion Absorber

For quick operation applications, the special cushion absorber system reduces the impact damage to the valve trim, piping stress and actuator itself while allowing increased performance and reliability. Based on innovations in technology, Flowbus is able to offer a high-quality, reliable economical ESD systems and quick operation using tried and tested methods of operation.

10 Visual indicator

The visual indicator is directly connected to the valve and has specially designed position indicators that locally signal the valve position. The display indicates the valve position through the full range of travel.

11 Various Manual Overrides

Optional manual overrides such as a gearbox, jackscrew and hydraulic override can be incorporated in accordance with the customer's requirements. FLOWBUS has a wide range of override options to meet many customer specifications.

12 Customized Valve Joint and Coupling

FLOWBUS's specialized engineering and custom manufacturing team provides premier quality valve joint and brackets to virtually mount any linear operation valve to our EPL series actuators while considering application conditions such as vibration, heat, cavitation, and so on.



07 Standard Stroke Adjust

The stroke adjust makes adjustments in one direction, which allows the full piston force to come into high-friction contact with the actuator body. Adjustable travel stops withstand the full output force of the actuator. The stroke adjustment in the opposite direction is optional.

08 ISO5211 Valve Interface

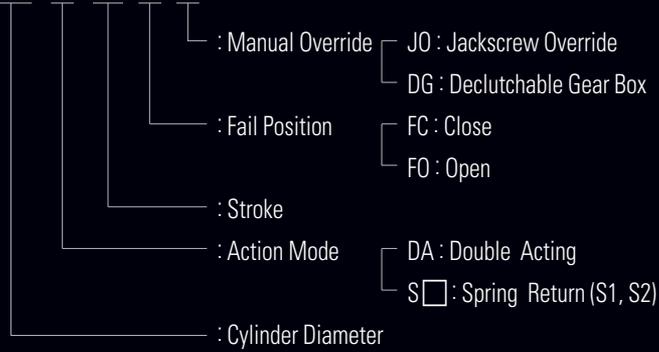
EPL actuators have valve mounting pads in accordance with the ISO5211 mounting pattern to provide the greatest flexibility for valve adaptation.

Ambient Temperature

- **Standard** : -20°C to +80°C (-4°F to +176°F)
- **High** : -20°C to +177°C (-4°F to +350.6°F)
- **Low** : -48°C to +80°C (-54.4°F to +176°F)
- For higher and lower temperature applications, consult FLOWBUS.

Ordering Codes

EPL 0055 - S1 - 100 - FC - JO



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