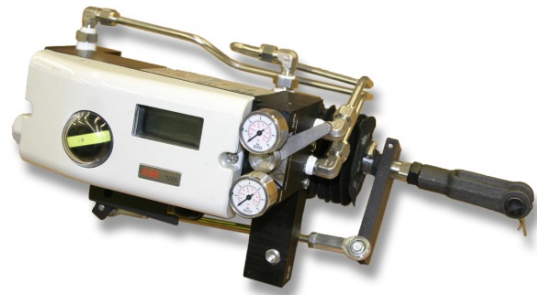


LP – Linear Pneumatic power cylinder actuators for continuous duty operation

High performance linear pneumatic actuators for positioning of final control element such as windbox dampers, combustion air dampers louvers, diverters, butterfly valves and governor speed control that require precision positioning for optimum process performance



Key features and benefits

Continuous modulating duty cycle

Suitable for high dynamic process loops: Linear Actuators in continuous control applications require positioning of the final control element with no restriction to the number of actuator movements. The LP series Linear Pneumatic actuators provide this type of operating mode

Options for On/Off control

Suitable for basic open/close applications: The LP actuators can be provided for On/Off control as an option with single or double acting solenoid control for fail-safe or fail-in-place applications

Easy and flexible installation

Space saving compact design: Low installation cost with direct connection of the power cylinder rod to the final control element via standardized clevis and pin for easy removal and access to the final control element for maintenance purposes

Easy replacement for Bailey and Hagan actuators

Quick and easy replacement: The LP actuator pin to pin dimensions are the same as Bailey and Hagan power cylinders providing easy drop in place replacement and startup

High temperature options

Suitability for high temperature applications: The LP actuator with high temperature option is suitable for applications with ambient temperature up to 250°F [121°C] ideal for windbox application in boiler control

Control safety

Meet process control safety requirements: The LP actuator provides options for fail-safe or fail-in-place on loss of the control signal to meet application requirement for safe process control

Robust construction

Suitable for any process application: The design of the LP actuators incorporates a robust heavy duty hardened alloy cylinder with Buna or Viton piston seals for high duty applications

Time saving with easy setup

Fast and easy process startup: Commissioning and startup can be reduced by up to 50% with digital positioner option, the local pushbuttons and display of the positioner provides easy setup of the LP actuator

Control performance and accuracy

Reduce process variability: Control options with EDP300 or TZIDC digital positioners with HART or Fieldbus ensures best in class actuator performance for demanding applications

High performance with low maintenance:

Long life design with low maintenance: Permanently lubricated piston and seals provides low maintenance and extended operating life.

Wide range of power cylinder options:

An actuator for any application: LP10 to LP60 provides solutions for a wide range of standard power cylinder sizes and force based on supply pressure. Non-standard sizes to match existing power cylinder dimensions are available on request

Model	Diam. x Stroke [mm]	Force@90psi [620kPa]
LP10	2.5"x5" [63.5x127]	382 lbf [1.69 kN]
LP20	4"x4" [101.6x101.6]	907 lbf [4.03 kN]
LP30	6"x8" [152.4x203.2]	2171 lbf [9.65 kN]
LP32	6"x16" [152.4x406.4]	2171 lbf [9.65 kN]
LP40	8"x8" [203.2x203.2]	3953 lbf [17.58 kN]
LP50	8"x16" [203.2x406.4]	3953 lbf [17.58 kN]
LP60	10"x16" [254x406.4]	6164 lbf [27.41 kN]

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