

Industrial Valve Pneumatic Actuator

This pneumatic actuator is designed for industrial valve automation. It features robust construction and is suitable for precise valve control in various applications.



Product Overview

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This industrial valve pneumatic actuator features a robust, extruded aluminum alloy ASTM6005 body designed for high performance and longevity. Utilizing a dual-piston rack and pinion design, it offers compact construction, fast operation, and high-cycle life for reliable valve automation. The unit is fully compliant with international standards, ensuring easy integration of accessories like limit switches and positioners, making it an ideal solution for demanding industrial environments.

Construction & Materials

Body Material	Extruded aluminum alloy ASTM6005
Surface Treatment Options	Hard Anodized, Powder Polyester Painted, PTFE, Nickel Plated
Piston Material	Die-casting aluminum (hard anodized) or cast steel (galvanized)
Pinion Material	Nickel alloy steel

Performance & Features

Key Features

- Low friction, long-life bearings
- Modular preloaded spring cartridge design
- Symmetric mounting position
- Adjustable travel ($\pm 4^\circ$ at 90°)
- Low backlash rack and pinion engagement

Design Type	Dual piston rack and pinion
External Stroke Adjustment	4 degrees

Compliance & Standards

Standards Compliance

ISO5211 • DIN3337 • NAMUR

Accessory Compatibility	Limit switch boxes, positioners, and solenoids
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Environmental

O-Ring Seal Material

Temperature Range	Material
Standard	NBR Rubber
High/Low	Viton or Silicone