

316 Stainless Steel Pneumatic Actuator

Pneumatic actuator made with 316 stainless steel, designed for robust performance. It is engineered for precise control and efficient operation.



Product Overview



The VSF series features a robust scotch yoke design suitable for high-pressure hydraulic and pneumatic applications.

High-Performance 316 Stainless Steel Actuator

This VSF series actuator is engineered for demanding industrial environments, offering both single and double-acting configurations. Constructed with high-grade materials like 316 stainless steel and 17.4 PH stainless steel, it ensures exceptional corrosion resistance and durability. Designed to meet rigorous international standards, it provides reliable thrust output for precise valve control in harsh chemical and offshore applications.

Technical Performance

Performance Highlights

200 bar

Max Supply Pressure

25000 N

Actuator Thrust

71753 N

Spring Thrust

Operating Temperature

-20°C to +80°C (Standard); up to -40°C (Special low temp)

Construction Materials

Material Specifications

Component	Material / Specification
Piston Rod	17.4 PH Stainless Steel (Corrosion resistant)
Tie Rods	ASTM A 320 L7 Alloy Steel (Zinc coated)
Piston Seals	Dynamic floating O-ring with lubricating guide rings
Mounting Adapter	Carbon steel with nickel-plated coupling
Body Construction	Fabricated Carbon Steel / 316 Stainless Steel

Features & Design

Key Features

- Scotch yoke mechanism design
- Visual position indicator for full linear stroke
- Integral manual override facilities
- Safety spring cartridge assembly
- Optional hammer blow effect for wedge gate valves
- Interchangeable components across series

Compliance & Standards

Design Standards

ASME VIII div.1, EN 13445, ASTM B633, ASTM A 320 L7

Applications

Suitable Applications

Hydraulic Butterfly Valves • Hydraulic Cylinder Actuation • Hydraulic Rotary Actuation • Wedge Gate Valves