

Explosion-Proof Electric Actuator for Ball Valves

This explosion-proof electric actuator is designed for direct mounting on ball valves. It is suitable for hazardous environments requiring robust and reliable valve control.



ADDITIONAL IMAGES



Overview

Explosion-Proof Electric Actuator

This explosion-proof electric actuator is engineered for automating angle stroke ball valves in hazardous industrial environments, including oil, gas, chemical, and petroleum sectors. It features a heavy-duty motor with high starting torque, ensuring reliable sealing for various ball valve types, including bronze, stainless, and carbon steel. Designed for safety and versatility, the unit offers 360° operation, thermal overload protection, and is compatible with standard ISO5211 multi-flange mounting.

Performance

Performance Metrics

600 Nm

Standard Torque

45 S

Standard Time

70 W

Max Motor Power

Power Supply Options

| Voltage | Motor Power | Rated Current |
|---------|-------------|---------------|
| DC24V | 70W | 8.00A |
| AC110V | 90W | 1.18A |
| AC220V | 90W | 0.67A |
| AC380V | 40W | 0.29A |

Technical Details

Operating Conditions

- Ambient Temperature: -30 to +60°C
- Turning Angle: 0 to 90° (Adjustable)
- Installation Angle: 360° (Any angle)
- Insulating Resistance: 100M Ω /250VDC or 500VDC

Mechanical Features

- Self-locking all-metal gear train
- Bronze alloy worm gear
- Stainless steel visual valve position indicator
- Electric Interface: 2-M20x1.5 explosion-proof plug

Optional Functions

Over-torque Protector • Heater

Safety & Protection

IP67, Ex II BT4 Gb, ATEX Certified, SIL 3 Certified, Thermal Overload Protected