

Explosion-Proof Electric Actuator

This explosion-proof electric actuator is designed for use in hazardous environments, specifically Zone 1 and Division 1 areas. The turning angle is adjustable from 0 to 360 degrees, allowing for versatile application in various industrial processes.



ADDITIONAL IMAGES



Overview

High-Performance Explosion-Proof Actuation

This explosion-proof electric actuator is engineered for reliable valve and damper control in hazardous industrial environments, including zones requiring protection against explosive gases like Ethylene, Ether, and Ethanol. It features a robust, hard die-cast aluminum alloy enclosure and precision-engineered flame-proof surfaces to ensure safety and durability. With an adjustable turning angle up to 360 degrees and an IP68 protection rating, this unit provides versatile, heavy-duty performance for demanding applications.

Technical Specifications

Protection Grade

IP68

Turning Angle

d360° (Adjustable with electric limit switches)

Explosion Proof Rating

ExdIIBT4 (Zone System), Group C, D T4 (Division System)

Mounting Standard

ISO 5211 (Direct mounting)

Construction & Design

Sealing System

- Double lip skeleton oil seal
- O-ring seal

Enclosure Material

Hard die-cast aluminum alloy

Indicator Lens

10mm tempered glass

Motor & Performance

Max Outer Shell Temperature

135 °C

Temperature Limit

Motor Type

Heavy duty fully enclosed squirrel-cage asynchronous motor

Features

Manual Override

Yes

Override Options

Allen handle, Handwheel