

# Electric Actuated Ball Valve

This electric actuated ball valve features a simple structure and good sealing performance. It is suitable for high temperature and high pressure applications.

## Overview

### High-Performance Electric Actuated Ball Valve

This electric actuated ball valve is designed for high wear resistance and reliable flow control in demanding industrial environments. It features a simple yet robust structure that ensures excellent sealing performance and quick operation without sticking. Developed to handle high temperatures and pressures, it is ideal for transporting abrasive materials like silicon powder, mineral powder, and coal powder gas.

## Key Features

### Key Features

- High wear resistance with self-formulated hard alloy hardening technology
- Service life more than three times that of conventional metal-sealed valves
- High-performance brushless motor with internal overload protection
- Supports parallel operation of two or more actuators
- Suitable for 2-way and 3-way valve configurations

## Technical Specifications

### Performance Metrics

**20 Nm**

Rated Torque (24V)

**20000 times**

Service Life Cycles

**1.6 MPa**

Pressure Rating

### Actuator Series

TCN-02N-DC Series

## Electrical Data

### Wiring & Feedback Models

B3 • BD3 • B3S • BD3S • B3C • BD3C

### Rated Voltage Options

DC12V, DC24V

## Applications

### Target Industries

- Natural Gas & Oil
- Chemical Industry
- Metal Smelting
- Water & Air Treatment
- Food & Beverage
- Mining & Pharmaceutical

### Compatible Media

Silicon Powder, Mineral Powder, Coal Powder Gas, Mud Pump Slurry