

# Electric Actuated Ball Valve - PPH UPVC - 1.6MPa - Wear Resistant

This electric actuated ball valve features PPH UPVC construction and a 1.6MPa pressure rating. The valve is designed for wear resistance and reliable performance.

## Overview

### High-Performance Electric Actuated Ball Valve

This electric actuated ball valve is designed for demanding industrial applications requiring high wear resistance and reliable sealing. Constructed with PPH UPVC and featuring advanced hardening technology, it offers a service life more than three times longer than conventional metal-sealed valves. It is particularly effective for transporting abrasive media such as silicon powder, mineral powder, and coal powder gas.

## Performance Metrics

### Key Performance Metrics

**1.6 MPa**

Pressure Rating

**20000 cycles**

Cycle Life

**24 Nm**

Max Torque

## Actuator Specifications

### Motor Features

- High performance brushless motor
- Internal motor overload protection
- Supports parallel operation of two or more actuators

### Actuator Series

TCN-02N-DC Series

### Rated Voltage

DC12V, DC24V

### Wiring and Feedback Models

B3, BD3, B3S, BD3S, B3C, BD3C

## Technical Details

### Materials

- PPH UPVC Body
- Brass/Stainless Steel components
- Self-formulated hard alloy hardening

### Compatible Valve Types

- 2-way ball valves
- 3-way ball valves

## Applications

### Recommended Media

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

### Target Industries

- Natural Gas & Oil
- Chemical Industry
- Metal Smelting
- Water & Waste Treatment
- Food & Beverage