

# Electric Actuated Ball Valve PPH UPVC 1.6MPa

This electric actuated ball valve features a PPH and UPVC construction for durability. It is designed for fluid control in industrial applications, offering resistance to wear and corrosion with a 1.6MPa pressure rating.



## Overview

### High-Performance Electric Actuated Ball Valve

This 1.6MPa PPH UPVC Electric Actuated Ball Valve is engineered for high wear resistance and reliable flow control in demanding industrial environments. Featuring a robust brushless motor and a durable plastic body, it is ideal for handling corrosive media such as mineral powder, mud, and chemical solutions. Its simple structure ensures quick operation and excellent sealing performance, making it a versatile choice for automated fluid systems.

## Performance Metrics

### Key Performance Metrics

<b>1.6 MPa</b> Nominal Pressure	<b>20 Nm</b> Rated Torque (DC24V)	<b>20000 Cycles</b> Service Life	<b>10 S</b> Running Time (90°)
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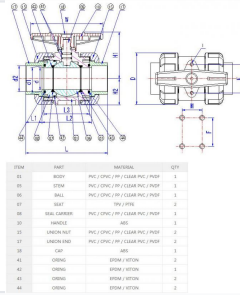
## Electrical Specifications

### Motor Features

- High performance brushless motor
- Internal motor overload protection
- Parallel operation support (2+ actuators)
- Manual override using hexagon wrench

Rated Voltage Options	DC12V, DC24V
Power Consumption (DC24V)	9.6W Running / 0.25W Holding

## Material Composition



Detailed component breakdown showing the chemical-resistant PPH/UPVC construction and sealing elements.

## Component Materials

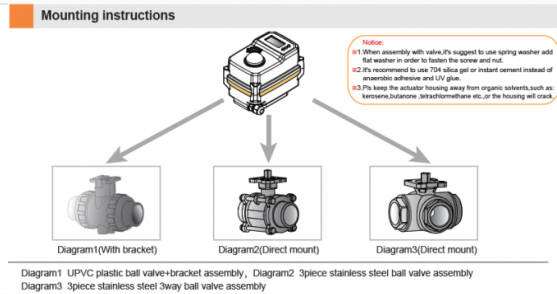
Component	Material Options
Body / Ball / Stem	PVC, CPVC, PP, Clear PVC, PVDF
Seat	TPV, PTFE
O-Rings	EPDM, VITON
Handle / Cap	ABS

## Applications

Suitable Media

Silicon Powder, Mineral Powder, Coal Powder Gas, Mud Pump Slurry, Chemical Processing, Water Treatment

## Installation & Connectivity



The actuator supports various mounting configurations including bracket assembly and direct mount for plastic and stainless steel valves.

## Wiring & Feedback Models

B3 • BD3 • B3S • BD3S • B3C • BD3C

## Valve Compatibility

- 2-way and 3-way ball valves
- UPVC plastic ball valve with bracket
- 3-piece stainless steel ball valve (Direct mount)
- 3-piece stainless steel 3-way ball valve

## Technical Standards

Operating Mode	S3-85% (IEC60034-1-2017)
Sound Power Level	50 dB(A)