Electric Actuated PPH UPVC Ball Valve

This electric actuated ball valve is constructed from PPH and UPVC for excellent chemical resistance. It features a mini motor for precise and reliable operation in various industrial applications.

ADDITIONAL IMAGES

Overview

High-Performance Electric Actuated Ball Valve

This electric actuated ball valve is designed for reliable flow control in demanding industrial environments, featuring a robust PPH and UPVC construction for superior chemical and wear resistance. Equipped with a high-performance brushless motor and internal overload protection, it offers a service life of over 20,000 cycles. Its simple yet effective sealing structure makes it an ideal choice for applications involving silicon powder, mineral powder, and mud pump systems.

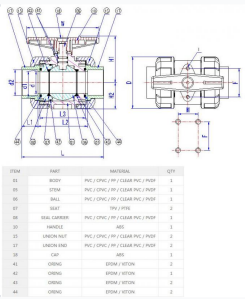
Technical Specifications

Rated Torque

20 Nm	15 Nm
Torque @ 24V	Torque @ 12V

Rated Voltage Options	DC12V, DC24V
Pressure Rating	1.6 MPa
Angle of Rotation	90° ± 2° (Max 360°)
Running Time (per 90°)	10s (DC24V) / 15s (DC12V)

Material Composition



Detailed material breakdown and internal structure of the valve body and sealing components.

Component Materials

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

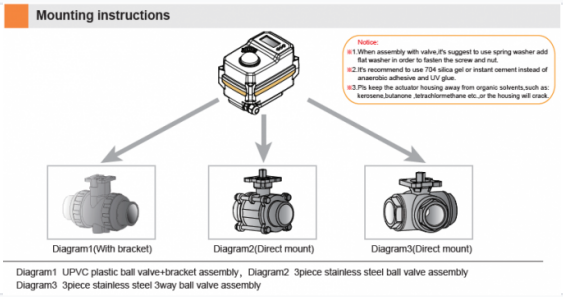
Actuator Features

Safety Features

- Internal motor overload protection
- Manual operation via hexagon wrench (no power)
- Parallel operation support for multiple actuators

Motor Type	High performance brushless motor
Sound Power Level	50 dB(A)

Installation & Maintenance



Guidance for bracket and direct mounting configurations with various valve types.

Wiring & Feedback Models

B3 • BD3 • B3S • BD3S • B3C • BD3C

Mounting Options

- Bracket assembly
- Direct mount

Housing Protection

Keep the actuator housing away from organic solvents such as kerosene, butanone, and tetrachlormethane to prevent housing cracks. Use 704 silica gel or instant cement for assembly rather than anaerobic adhesives.