## Lilie FRA303042

# Lilie Electric Ball Valve 1-inch Pipe Plug System User Manual

**Brand:** Lilie | **Model:** FRA303042

## Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Lilie Electric Ball Valve 1-inch Pipe Plug System. Please read this manual thoroughly before installation and use to ensure proper function and safety. This electric ball valve is designed for efficient and reliable fluid control in various applications.

## Product Overview

The Lilie Electric Ball Valve is a robust component designed for fluid management. It features a 1-inch pipe plug system and is constructed from durable brass. The integrated electric actuator allows for automated control of fluid flow.




*Image 1: Lilie Electric Ball Valve with 1-inch pipe plug system. The central yellow component is the electric actuator, connected to brass and*

*black plastic pipe fittings on either side. The left fitting is threaded, and the right fitting is an elbow barb connector.*

## Setup and Installation

1. **Safety First:** Ensure the power supply is disconnected before beginning installation. Close any upstream valves to prevent fluid flow.
2. **Inspect Components:** Verify all components are present and undamaged. The package includes one ball valve.
3. **Mounting:** Choose a suitable location for installation, ensuring easy access for maintenance and operation. The valve can be mounted in any orientation, but consider the flow direction indicated on the valve body (if present).
4. **Pipe Connection:**
   - Apply thread sealant (e.g., PTFE tape) to the threaded ends of your pipes.
   - Carefully screw the 1-inch pipe fittings onto the valve. Do not overtighten, as this can damage the threads or valve body.
   - Ensure a watertight seal.
5. **Electrical Connection:**
   - Connect the electrical wires from the actuator to your control system according to the wiring diagram provided with the product (if applicable).
   - Ensure all electrical connections are secure and insulated to prevent short circuits or electrical hazards.
   - Verify the power supply voltage matches the valve's requirements.
6. **Test System:** Once installed, slowly open the upstream valves to introduce fluid into the system. Check for any leaks at the connections. Power on the valve and test its open/close functionality.

## Operating Instructions

The Lilie Electric Ball Valve is designed for straightforward operation, typically controlled by an external electrical signal.

- **Power On:** Apply the specified voltage to the actuator's control wires. The valve will move to its default position (usually fully closed or fully open, depending on the model and wiring).
- **Opening the Valve:** Send the appropriate electrical signal to the actuator to open the valve. The actuator will rotate the ball inside the valve, allowing fluid to flow.
- **Closing the Valve:** Send the appropriate electrical signal to the actuator to close the valve. The actuator will rotate the ball to block fluid flow.
- **Manual Override (if applicable):** Some models may include a manual override. Refer to the specific product documentation for instructions on using any manual override feature. The blue knob visible on the actuator in the product image might be a manual override or indicator.
- **Indicators:** The actuator may have visual indicators (e.g., LED lights or a position indicator) to show the current status (open/closed).

Always ensure the valve is fully open or fully closed during operation to prevent partial flow and potential wear.

## Maintenance

Regular maintenance ensures the longevity and reliable performance of your electric ball valve.

- **Periodic Inspection:**
  - Visually inspect the valve and connections for any signs of leaks, corrosion, or damage.
  - Check electrical wiring for fraying or loose connections.
- **Cleaning:**
  - Keep the exterior of the actuator clean and free from dust and debris. Use a soft, damp cloth for cleaning.
  - Do not use harsh chemicals or abrasive cleaners, as these can damage the housing.
- **Functional Check:** Periodically cycle the valve through its open and closed positions to ensure smooth operation.
- **Storage:** If the valve is to be stored for an extended period, ensure it is clean, dry, and stored in a protected environment away from extreme temperatures and direct sunlight.

## Troubleshooting

If you encounter issues with your Lilie Electric Ball Valve, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---|---|---|
| Valve does not operate (no movement). | No power supply, incorrect wiring, faulty actuator. | Check power connections and voltage. Verify wiring against diagram. If power is present and wiring is correct, the actuator may be faulty and require replacement. |
| Valve leaks at connections. | Improperly tightened fittings, damaged threads, insufficient sealant. | Ensure fittings are tightened correctly (do not overtighten). Reapply thread sealant if necessary. Inspect threads for damage. |
| Valve operates slowly or intermittently. | Low voltage, debris in valve, actuator malfunction. | Check power supply voltage. If debris is suspected, the system may need to be drained and the valve inspected internally (consult a professional). Actuator may need servicing or replacement. |

If problems persist after attempting these solutions, please contact customer support.

## Specifications

| Feature | Detail |
|---|---|
| **Brand** | Lilie (Manufacturer: Sonstige) |
| **Model Number** | FRA303042 |
| **Product Dimensions** | 2.7 x 1.8 x 6.5 cm; 740 g |
| **Material** | Brass |

| Feature | Detail |
| --- | --- |
| **Color** | Neutral (Actuator: Grey-yellow) |
| **Pipe Connection Size** | 1 inch |
| **Included Components** | Ball valve |
| **Batteries Required** | No |
| **First Available Date** | January 15, 2020 |

## Warranty and Support

This product is manufactured to high-quality standards. For information regarding warranty coverage, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your proof of purchase for warranty claims.
For technical support or further assistance, please contact the manufacturer or your authorized dealer. Ensure you have your model number (FRA303042) and purchase details ready when contacting support.

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