

PRODUCT MANUAL

1. Product Information

Product Name: Solenoid Valve

Model: Solenoid Valve

Batch/Serial Number: 202602271103654

2. MANUFACTURER & EU REPRESENTATIVE INFO

- **Manufacturer:** [Xiamen Daohe Chunxi Trading Co., LTD , Xiamen Fujian Province, CN-Fujian Province Xiamen Jimei District Houxi Town ruan jian yuan 3 qi feng qi lu 208-1 hao 402as, 448720228@qq.com/86-13045966665]
- **EU Authorized Representative:** [EUBRIDGE ADVISORY GMBH, Virginia Str2, 35510 Butzbach, Hessen, Germany, Hunter@pokza.com/49-68196989045]

3. Product Overview

This product is a **normally closed inlet solenoid valve**, constructed from metal and plastic for durability and long service life. It is designed for automatic water flow control in a wide range of applications.

- **Voltage Options:** DC12V / DC24V / AC220V
- **Connection Size:** 12mm OD quick-connect inlet, 1/4" thread specification
- **Default State:** Normally closed (valve is closed when de-energized, opens when energized)

2. Key Features

1. **Reliable Materials:** High-quality metal and engineering plastics ensure corrosion resistance and long-term durability.
2. **Easy Installation:** Quick-connect design allows for fast, tool-free water line connections.
3. **Multiple Voltage Options:** Supports DC12V, DC24V, and AC220V to match different equipment power requirements.
4. **Wide Application:** Suitable for use in water purifiers, water dispensers, water heaters, coffee machines, ice makers, dishwashers, smart toilets, industrial humidifiers, air conditioners, garden sprinkler systems, agricultural drip irrigation, greenhouse sprayers, washing machines, and cleaning equipment.

3. Technical Specifications

Item	Specification
Type	Normally Closed Inlet Solenoid Valve
Connection Size	12mm OD quick-connect, 1/4" thread
Voltage	DC12V / DC24V / AC220V (selectable)
Material	Metal coil + engineering plastic valve body
Medium	Clean water (non-corrosive, impurity-free liquid)
Working Pressure	Compatible with standard household and light industrial water pressures

4. Installation & Operation Instructions

- 1. Pre-Installation Check:** Confirm the valve voltage matches the equipment power supply. Inspect connections for damage or debris.
- 2. Water Line Connection:** Securely attach the 12mm quick-connect inlet to the water line or equipment port, ensuring a watertight seal. Use Teflon tape on threaded connections for additional sealing.
- 3. Electrical Connection:** Follow the wiring diagram. For DC models, observe polarity; for AC models, polarity is not critical. Ensure all connections are properly insulated to prevent short circuits.
- 4. Testing:** After installation, turn on the water supply first, then apply power. Verify the valve opens and closes smoothly and check for leaks.
- 5. Safety Notes:**
 - Do not use in flammable, explosive, or highly corrosive environments.
 - Avoid prolonged operation beyond rated pressure or temperature limits to prevent premature aging of the valve body.
 - Regularly clean the inlet to remove debris that could affect sealing performance.

5. Maintenance & Care

- Inspect the valve periodically for leaks, unusual noise, or sluggish operation. Replace or repair as needed.
- Before long-term storage, disconnect power and drain all residual water from the valve to prevent freezing or corrosion.
- When replacing, ensure the new valve has matching voltage and connection specifications to avoid compatibility issues.

6. Troubleshooting

Symptom	Possible Cause	Solution
Valve fails to open	Incorrect voltage,	Check voltage and wiring;

Symptom	Possible Cause	Solution
when energized	reversed polarity, or burnt coil	replace faulty coil
Valve leaks when de-energized	Stuck valve core or worn seal	Clean valve core; replace seal or entire unit
Leakage at connections	Loose fitting or damaged seal	Retighten connections; replace se