

yancinne FG-02-30-30

yancinne FG-02-30-30 Unidirectional Flow Control Valve User Manual

Model: FG-02-30-30

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient installation, operation, and maintenance of the yancinne FG-02-30-30 Unidirectional Flow Control Valve. Please read this manual thoroughly before using the product to ensure proper function and to prevent damage or injury.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions could result in serious injury or property damage.

- Always wear appropriate personal protective equipment (PPE) during installation, operation, and maintenance.
- Ensure that the system pressure is relieved before installing or servicing the valve.
- Verify compatibility of the valve with the fluid and operating conditions (pressure, temperature).
- Do not exceed the maximum operating pressure specified for the valve.
- Installation should be performed by qualified personnel.

3. PRODUCT OVERVIEW

The yancinne FG-02-30-30 is a unidirectional flow control valve designed to regulate the speed of an actuator in one direction while allowing free flow in the opposite direction. This valve is commonly used in pneumatic and hydraulic systems to control cylinder speeds or motor speeds.



Figure 3.1: yancinne FG-02-30-30 Unidirectional Flow Control Valve. This image shows the general appearance of the flow control valve, highlighting its compact design and connection ports.

4. SETUP AND INSTALLATION

1. **Preparation:** Ensure the system is depressurized and all power sources are disconnected. Clean the connection ports of the valve and mating components.
2. **Orientation:** Identify the flow direction indicated on the valve body. Install the valve so that the controlled flow direction matches the desired actuator speed control. The free flow direction should allow unrestricted return.
3. **Connection:** Apply appropriate thread sealant (if applicable) to the pipe threads. Carefully thread the valve into the system piping or actuator port. Tighten securely but do not overtighten to avoid damaging the threads or valve body.
4. **Leak Check:** After installation, slowly pressurize the system and check all connections for leaks using a suitable leak detection method.

5. OPERATING INSTRUCTIONS

The FG-02-30-30 valve controls flow in one direction using an adjustable needle or screw, while allowing free flow in the opposite direction via a check valve mechanism.

1. **Adjusting Flow:** Locate the adjustment knob or screw on the valve. Turning the knob/screw clockwise typically reduces the flow rate (slowing down the actuator), while turning it counter-clockwise increases the flow rate (speeding up the actuator).
2. **Fine-Tuning:** Make small adjustments and observe the actuator's response. Repeat until the desired speed is achieved.
3. **Locking (if applicable):** Some models may include a lock nut or mechanism to secure the

adjustment setting. Tighten this lock if present after setting the desired flow.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your flow control valve.

- **Inspection:** Periodically inspect the valve for any signs of leakage, corrosion, or physical damage.
- **Cleaning:** Keep the exterior of the valve clean. If operating in a dusty or dirty environment, ensure that the adjustment mechanism remains free of debris.
- **Seal Replacement:** If leaks occur around the adjustment stem or connections, seals may need replacement. Consult a qualified technician for seal replacement.
- **System Fluid Quality:** Ensure the system fluid is clean and free of contaminants, as particles can obstruct the valve's internal mechanisms.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Valve not controlling flow	Incorrect adjustment; valve installed backward; internal blockage.	Adjust the flow control screw; verify valve orientation; check for debris.
Leakage at connections	Loose connections; damaged threads; improper sealant.	Tighten connections; reapply thread sealant; replace damaged components.
Actuator speed inconsistent	Contaminated fluid; worn internal components; pressure fluctuations.	Check fluid quality; inspect valve internals; verify system pressure stability.

8. SPECIFICATIONS

Model Number: FG-02-30-30

Manufacturer: yancinne

Part Number: FG-02-30-30

ASIN: B0DRKCY95D

Date First Available: December 26, 2024

Note: Specific pressure, temperature, and flow ratings should be confirmed with product packaging or manufacturer's data sheet.

9. WARRANTY AND SUPPORT

This yancinne FG-02-30-30 Flow Control Valve comes with a **180-day warranty** from the date of purchase, covering manufacturing defects. For warranty claims or technical support, please contact yancinne customer service through the retailer where the product was purchased or visit the official yancinne website.

For additional resources and product information, please visit the [yancinne Store on Amazon](#).

10. OFFICIAL PRODUCT VIDEOS

No official product videos from the seller were found to be relevant or useful for embedding in this manual based on the provided data.

