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TJGOPKUJ M008-R10

TJGOPKUJ Pressure Regulator Series M

Model: M008-R10 User Manual

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1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your TJGOPKUJ Pressure Regulator Series M, model M008-R10. Please read this manual thoroughly before using the product and retain it for future reference.

The TJGOPKUJ Pressure Regulator is designed to maintain a constant output pressure regardless of fluctuations in the input pressure or changes in downstream flow. It is suitable for various industrial and scientific applications requiring precise pressure control.

2. Safety Information

Always observe the following safety precautions to prevent injury or damage to the equipment:

- Ensure the system pressure does not exceed the maximum rated pressure of the regulator.
- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves during installation and maintenance.
- Depressurize the system completely before attempting any installation, adjustment, or maintenance.
- Do not modify the regulator. Use only genuine replacement parts if repairs are necessary.
- Install the regulator in a well-ventilated area, away from heat sources or corrosive environments.
- Verify all connections are secure and leak-free before applying pressure.

3. Product Overview

The M008-R10 pressure regulator is a robust device designed for reliable pressure reduction and stabilization. It features a durable construction suitable for demanding industrial environments.



Figure 1: TJGOPKUJ Pressure Regulator M008-R10. This image shows the main body of the pressure regulator, including its inlet and outlet ports, and the adjustment knob. The overall design is compact and industrial-grade.

Components:

- **Inlet Port:** Connects to the high-pressure source.
- **Outlet Port:** Connects to the regulated pressure system.
- **Adjustment Knob:** Used to set the desired output pressure.
- **Pressure Gauge Port (optional):** For connecting a pressure gauge to monitor output pressure.

4. Setup and Installation

1. **Inspect the Regulator:** Before installation, visually inspect the regulator for any signs of damage or foreign objects.
2. **Prepare the System:** Ensure the system is depressurized and free of contaminants. Flush the lines if necessary.
3. **Mounting:** Mount the regulator securely in the desired position, ensuring easy access to the adjustment knob and ports. The regulator can be mounted in any orientation, but vertical mounting with the adjustment knob facing upwards is generally recommended for optimal performance and drainage.
4. **Connect Inlet:** Connect the high-pressure supply line to the inlet port of the regulator. Use appropriate thread sealant (e.g., PTFE

tape) and tighten connections to prevent leaks.

5. **Connect Outlet:** Connect the regulated pressure line to the outlet port. Again, use thread sealant and ensure a tight, leak-free connection.
6. **Install Pressure Gauge (Optional):** If monitoring output pressure is required, install a suitable pressure gauge into the designated gauge port.
7. **Leak Check:** Slowly introduce pressure into the system and check all connections for leaks using a leak detection solution. Tighten any leaking connections.

5. Operating Instructions

1. **Initial Pressure Setting:** Before applying full system pressure, turn the adjustment knob counter-clockwise until it is fully backed out (lowest pressure setting).
2. **Apply Inlet Pressure:** Slowly open the main supply valve to introduce pressure to the regulator's inlet.
3. **Adjust Output Pressure:** Gradually turn the adjustment knob clockwise to increase the output pressure to the desired level. Observe the pressure gauge (if installed) during adjustment.
4. **Stabilize:** Allow the system to stabilize for a few moments after adjustment. Fine-tune the pressure if necessary.
5. **Shut Down:** To shut down the system, first close the main supply valve, then slowly open a downstream vent or use the adjustment knob to reduce the output pressure to zero.

Note: Avoid rapid adjustments of the pressure knob, as this can cause pressure spikes or instability in the system.

6. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your pressure regulator. Always depressurize the system before performing any maintenance.

Scheduled Maintenance:

- **Quarterly Inspection:**
    - Check for external leaks around connections and the regulator body.
    - Inspect the regulator for any physical damage, corrosion, or wear.
    - Verify the adjustment knob operates smoothly.
- **Annual Servicing:**
    - Disassemble the regulator (if applicable and trained personnel are available) and inspect internal components for wear, especially seals and diaphragms.
    - Clean internal passages and components.
    - Replace worn or damaged parts with genuine TJGOPKUJ spares.
    - Reassemble and test the regulator for proper function and leak-free operation.

Warning: Only qualified personnel should perform internal servicing of the pressure regulator.

7. Troubleshooting

This section provides solutions to common issues you might encounter with your pressure regulator.

Problem	Possible Cause	Solution
No output pressure.	Inlet valve closed; Regulator adjustment knob fully backed out; Clogged inlet filter.	Open inlet valve; Turn adjustment knob clockwise; Inspect and clean/replace filter.
Output pressure too high/low.	Incorrect adjustment; Damaged diaphragm or spring.	Adjust knob to desired pressure; Inspect and replace internal components if damaged.

Problem	Possible Cause	Solution
Pressure fluctuates.	Unstable inlet pressure; Worn internal components; Incorrect sizing for application.	Check inlet pressure stability; Inspect and replace worn parts; Consult product specifications for correct sizing.
Leaks from connections.	Loose connections; Damaged thread sealant; Cracked fitting.	Tighten connections; Reapply thread sealant; Replace damaged fittings.

8. Specifications

The following specifications apply to the TJGOPKUJ Pressure Regulator Series M, model M008-R10:

- **Brand Name:** TJGOPKUJ
- **Model Number:** M008-R10 (Specific variant)
- **Number of Pieces:** 1
- **Item Weight:** 500 Grams
- **Unit Count:** 1.0 Count
- **Size:** One Size
- **ASIN:** B0DB7WWZSF
- **Manufacturer:** TJGOPKUJ
- *Note:* Specific pressure ranges and flow rates may vary by exact configuration. Refer to product packaging or contact support for detailed performance data.

9. Warranty and Support

TJGOPKUJ products are manufactured to high-quality standards. For information regarding warranty coverage, technical support, or replacement parts, please refer to the documentation included with your purchase or contact your authorized TJGOPKUJ distributor. Please have your product model number (M008-R10) and purchase date available when contacting support.

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