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› Mr. Heater High Pressure Propane Gas Regulator F273719 User Manual

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Model: F273719

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of the Mr. Heater High Pressure Propane Gas Regulator with POL Fitting, model F273719. This regulator is designed to control the flow and pressure of propane gas from a tank to a high-pressure appliance. It is suitable for applications requiring a pressure range of 0-20 PSI.

2. IMPORTANT SAFETY INFORMATION

WARNING: Propane gas is highly flammable and explosive. Failure to follow these instructions could result in fire, explosion, property damage, personal injury, or death.

- **Read All Instructions:** Before installing or operating this regulator, read and understand all instructions and warnings in this manual.
- **Outdoor Use Only:** This regulator is intended for outdoor use with propane gas cylinders only. Do not use indoors.
- **Ventilation:** Ensure adequate ventilation when using propane appliances.
- **Leak Testing:** Always perform a leak test after connecting the regulator to a propane tank and before each use. Use a soapy water solution; never use an open flame to check for leaks.
- **Proper Connections:** Ensure all connections are tight and secure. Do not overtighten.
- **Damage Inspection:** Do not use the regulator if it is damaged, cut, or shows signs of wear. Replace immediately.
- **Children and Pets:** Keep children and pets away from the regulator and propane appliances during operation.
- **Proposition 65 Warning:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3. PRODUCT COMPONENTS

The Mr. Heater High Pressure Propane Gas Regulator consists of the following main parts:

- **Regulator Body:** The main unit that controls gas pressure. Constructed from zinc.
- **Control Knob:** Red, star-shaped knob for adjusting gas flow and pressure.
- **POL Fitting:** A brass fitting for connecting to standard propane tanks. Features a full-flow soft nose.
- **Appliance Connection:** A .25 inch Female Pipe Thread (FPT) for connecting to your high-pressure propane appliance.



Figure 1: Mr. Heater High Pressure Propane Gas Regulator. This image displays the regulator with its red control knob, silver body, and brass POL fitting. The regulator body includes text indicating it is a 'HIGH PRESSURE L.P. GAS REGULATOR' and 'DO NOT USE WITH 11" W.C. SYSTEM'.

4. INSTALLATION AND SETUP

Follow these steps to properly install your Mr. Heater High Pressure Propane Gas Regulator:

1. **Ensure Appliance is Off:** Before connecting, ensure your propane appliance is turned off and its control valve is closed.
2. **Connect to Propane Tank:**
 - Locate the POL fitting on the regulator.
 - Insert the POL fitting into the propane tank valve.
 - **Important:** The POL fitting uses a **left-handed thread**. Turn the fitting counter-clockwise to tighten it securely onto the tank valve. Hand-tighten only; do not use tools.
3. **Connect to Appliance:**

- Connect the .25 inch Female Pipe Thread (FPT) end of the regulator to the inlet of your high-pressure propane appliance.
- Use appropriate thread sealant (e.g., PTFE tape or pipe dope) on the male threads of your appliance's inlet connection.
- Tighten this connection with a wrench, ensuring it is secure but not overtightened.

4. **Perform Leak Test:**

- With all appliance valves closed, slowly open the propane tank valve.
- Apply a soapy water solution (half liquid dish soap, half water) to all connections (tank to regulator, regulator to appliance).
- Look for bubbles. If bubbles appear, there is a leak. Immediately close the propane tank valve, tighten the connection, and re-test. If the leak persists, do not use the regulator and contact customer support.
- If no bubbles appear, the connections are secure.

5. **OPERATING INSTRUCTIONS**

Once the regulator is securely installed and leak-tested:

1. **Open Propane Tank Valve:** Slowly open the main valve on your propane tank.
2. **Adjust Regulator Pressure:** Turn the red control knob on the regulator to adjust the gas flow and pressure. The regulator provides a range of 0-20 PSI. Turn clockwise to increase pressure, counter-clockwise to decrease.
3. **Operate Appliance:** Follow your appliance's instructions for ignition and operation.
4. **Shut Down:** When finished, first close the main valve on the propane tank. Allow the gas in the line to burn off, then turn off your appliance. Finally, turn the regulator's control knob to the 'OFF' position (fully counter-clockwise).

This regulator is commonly used with high-pressure appliances such as torches, fish cookers, and smokers.

6. **CARE AND MAINTENANCE**

- **Regular Inspection:** Periodically inspect the regulator and its connections for any signs of damage, cracks, cuts, or excessive wear.
- **Cleaning:** Clean the exterior of the regulator with a damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure no water enters the gas passages.
- **Storage:** When not in use, disconnect the regulator from the propane tank and store it in a clean, dry place away from direct sunlight and extreme temperatures. Cap or cover the fittings to prevent debris from entering.
- **Replacement:** If any part of the regulator appears damaged or worn, or if it fails a leak test, replace the entire unit. Do not attempt to repair it.

7. **TROUBLESHOOTING**

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No gas flow to appliance	Propane tank valve closed Regulator knob in 'OFF' position Propane tank empty Blockage in regulator or hose	Open propane tank valve fully Turn regulator knob clockwise Replace or refill propane tank Inspect for blockages; replace regulator if necessary
Inconsistent or low pressure	Regulator not adjusted correctly Low propane level in tank Regulator malfunction	Adjust regulator knob Check propane tank level Replace regulator
Gas leak detected (soapy water test)	Loose connection Damaged fitting or regulator	Close tank valve, tighten connections, re-test Do not use; replace regulator immediately

8. SPECIFICATIONS

- **Brand:** Mr. Heater
- **Model Number:** F273719
- **Maximum Operating Pressure:** 20 PSI (Pound per Square Inch)
- **Inlet Connection:** Full Flow Soft Nose P.O.L. (Propane Outlet Connection)
- **Outlet Connection:** .25 inch Female Pipe Thread (FPT)
- **Construction Material:** Zinc body, Solid Brass Fittings
- **Product Dimensions:** Approximately 6.25"W x 8.12"H x 3"D
- **Item Weight:** Approximately 11.8 ounces
- **UPC:** 089301737198

9. WARRANTY INFORMATION

This Mr. Heater product comes with a **1-year limited warranty**. Please retain your proof of purchase for warranty claims. For specific details regarding warranty coverage and procedures, refer to the warranty documentation included with your purchase or contact Mr. Heater customer support.

10. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report an issue with your Mr. Heater High Pressure Propane Gas Regulator, please contact Mr. Heater customer service. Contact information can typically be found on the product packaging or the official Mr. Heater website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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