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> [Mr. Heater F276172 Propane One Pound Tank Refill Adapter Instruction Manual](#)

## Mr. Heater F276172

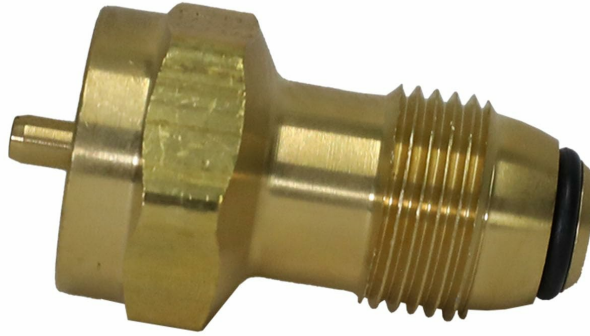
# Mr. Heater F276172 Propane One Pound Tank Refill Adapter Instruction Manual

Model: F276172

## PRODUCT OVERVIEW

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The Mr. Heater F276172 Propane One Pound Tank Refill Adapter is designed to allow users to refill 1-pound propane cylinders from larger 20-pound propane tanks. This all-brass construction adapter provides a convenient and economical solution for portable propane needs. It features a soft nose POL connection for secure attachment.



**Image:** The Mr. Heater F276172 Propane One Pound Tank Refill Adapter, made of brass, designed for refilling small propane tanks.

## IMPORTANT SAFETY INFORMATION

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**WARNING:** Propane is highly flammable. Failure to follow these instructions could result in fire, explosion, serious injury, or death.

- Always perform refilling outdoors in a well-ventilated area, away from any ignition sources (e.g., open flames, sparks, pilot lights, electrical equipment).
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure both the large 20-pound propane tank and the small 1-pound cylinder are in good condition, free from damage or leaks.
- Never overfill 1-pound cylinders. Overfilling can lead to dangerous pressure buildup.
- After refilling, always check for leaks using a soapy water solution. Bubbles indicate a leak.
- **Canada Restricted:** This product may have restrictions or specific regulations regarding its use in Canada. Consult local authorities for compliance.
- **Legal Disclaimer:** In the U.S., it is illegal to refill disposable 1-pound propane cylinders and transport them. Only refillable 1-pound cylinders rated for refilling should be used if transporting. This adapter is intended for refilling 1-pound bottles for immediate use or storage in a stationary location, not for transport of refilled disposable cylinders.

## SETUP INSTRUCTIONS

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1. **Prepare the Area:** Choose a safe, outdoor, well-ventilated location away from any ignition sources.
2. **Gather Equipment:** You will need the Mr. Heater refill adapter, a large 20-pound propane tank (partially full or full), and empty 1-pound propane cylinders.
3. **Connect Adapter to Large Tank:** Ensure the valve on the 20-pound tank is fully closed. Screw the QCC1 connector (black knob) of the refill adapter onto the large propane tank's valve. Hand-tighten first to avoid cross-threading, then use a wrench for an additional 1/2 turn to ensure a secure, leak-free connection.
4. **Connect Small Cylinder:** Screw the 1-pound propane cylinder onto the other end of the refill adapter. Hand-tighten only; do not overtighten.
5. **Position Tanks:** Invert the large 20-pound propane tank so that it is upside down, allowing liquid propane to flow downwards. The small 1-pound cylinder should be below the large tank.

Your browser does not support the video tag.

**Video:** Demonstration of connecting the propane refill adapter to a large 20-pound tank and a small 1-pound cylinder, showing the setup process.

## OPERATING INSTRUCTIONS (REFILLING)

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6. **Open Large Tank Valve:** Slowly open the valve on the large 20-pound propane tank. You may hear a slight hissing sound as propane begins to transfer.
7. **Monitor Filling:** Allow approximately 1 to 2 minutes for the 1-pound cylinder to fill. The small cylinder will become cold to the touch as it fills.
8. **Bleed Small Cylinder (Optional, for fuller fill):** For a fuller fill, locate the small pressure relief valve on the 1-pound cylinder (a small hole with a pin). Carefully and briefly open this valve using needle-nose pliers to release trapped vapor, allowing more liquid propane to enter. Close the valve immediately once liquid propane starts to escape (it will appear as a white mist). **Exercise extreme caution during this step.**
9. **Close Valves:** Once the 1-pound cylinder is sufficiently filled (or after 1-2 minutes), close the valve on the large 20-pound propane tank first. Then, close any control valve on the refill adapter itself (if present).
10. **Disconnect:** Carefully unscrew the 1-pound cylinder from the adapter. A small amount of residual gas may escape, which is normal.
11. **Check for Leaks:** Apply a soapy water solution to the valve area of the refilled 1-pound cylinder. If bubbles appear, there is a leak. Do not use the cylinder until the leak is resolved.

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**Video:** Visual guide on how to connect and refill a 1-pound propane tank using the adapter, demonstrating the process from connection to disconnection.

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**Video:** A demonstration of a propane refill elbow adapter, which includes a tank gauge for monitoring the filling process. This video illustrates the connection and use of such an adapter.

## MAINTENANCE

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- **Cleaning:** Keep the adapter clean and free from dirt, dust, and debris. Wipe with a damp cloth if necessary.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and heat sources. Ensure all valves are closed before storage.
- **Inspection:** Regularly inspect the adapter for any signs of wear, damage, or corrosion. Replace if any damage is found.
- **Thread Care:** Apply a small amount of petroleum jelly or vegetable grease to the threads of the 1-pound

cylinder's relief valve pin to ensure proper sealing after bleeding.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Propane not transferring or slow transfer.	Large tank not inverted; small tank not cold enough; large tank valve not fully open.	Ensure large tank is fully inverted. Chill small cylinders in a freezer for 15-30 minutes before refilling. Fully open the large tank valve.
Leaking during connection or refilling.	Loose connection; cross-threaded connection; damaged O-ring/seal.	Ensure connections are hand-tightened properly. Use Teflon tape on threads if necessary. Inspect and replace damaged seals.
Small cylinder not filling completely.	Vapor lock in small cylinder; insufficient pressure difference.	Briefly open the small cylinder's relief valve to release vapor. Ensure the large tank is warmer than the small tank (e.g., place large tank in sun, chill small tank).

## SPECIFICATIONS

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- **Model Number:** F276172
- **Brand:** Mr. Heater
- **Construction:** All brass
- **Connection Type:** Soft nose POL (for 20lb tank) to 1"-20 UNEF (for 1lb cylinder)
- **Product Dimensions:** 1.5 x 3.75 x 3.62 inches
- **Item Weight:** 4.8 ounces (136 Grams)

## WARRANTY AND SUPPORT

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The Mr. Heater F276172 Propane One Pound Tank Refill Adapter comes with a **1-year limited warranty**. For warranty claims, technical support, or further assistance, please contact Mr. Heater customer service directly. Refer to the product packaging or the official Mr. Heater website for the most current contact information.