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Flame King YSNEZF2.0

Flame King Propane Refill Adapter Valve User Manual

Instructions for safe and efficient refilling of 1LB camping cylinders using the Flame King Propane Refill Adapter Valve (Model YSNEZF2.0).

INTRODUCTION

This manual provides detailed instructions for the safe and proper use of the Flame King Propane Refill Fitting Adapter Valve. This adapter is designed to facilitate the refilling of Flame King 1LB, 1/2LB, and 1/4LB refillable propane cylinders from a larger 20LB propane tank. Using refillable cylinders helps reduce waste and offers a cost-effective alternative to disposable canisters.

Important Safety Note: This adapter is ONLY for use with Flame King **refillable** propane cylinders. Do NOT attempt to refill single-use/disposable propane canisters, as this can weaken their structural integrity and create a significant safety hazard.

SAFETY WARNINGS

- **Propane is Flammable:** Always perform refilling outdoors in a well-ventilated area, away from ignition sources, open flames, sparks, and heat.
- **Use Only Refillable Cylinders:** Never attempt to refill disposable 1LB propane canisters. Use only Flame King certified refillable cylinders.
- **Wear Protective Gear:** Always wear appropriate personal protective equipment, including safety glasses and gloves, when handling propane and performing refilling operations.
- **Check for Leaks:** After connecting the adapter and cylinder, always check for leaks using a soapy water solution before proceeding with refilling. Bubbles indicate a leak.
- **Do Not Overfill:** Overfilling can lead to dangerous pressure buildup. The EZ lever mechanism is designed to minimize leaks and help maintain consistent pressure, but always follow instructions carefully.
- **Keep Upright:** The 90° bend design helps keep the refillable cylinder upright, maintaining a tight seal and preventing leaks. Ensure the larger tank is inverted for proper liquid transfer.
- **Storage:** Store propane cylinders and the adapter in a cool, dry, well-ventilated area, away from direct sunlight and heat sources.

COMPONENTS

The Flame King Propane Refill Adapter Valve (Model YSNEZF2.0) includes the following components:

- Propane Refill Adapter Valve with EZ lever
- QCC Valve Connector (for larger tank)
- CGA600 Valve Connector (for 1LB cylinder)

Note: Flame King refillable 1LB cylinders and a refill stand are sold separately and are required for use.



Image: The Flame King Propane Refill Adapter Valve, featuring brass construction and the EZ lever.



Image: A close-up view of the brass construction of the Flame King Propane Refill Adapter Valve.



Image: Detail of the rustproof brass QCC Type 1 and CGA600 Female Thread connectors on the adapter.

SETUP

- Prepare the Refill Stand (if using):** If you have a Flame King refill stand, assemble it according to its instructions. This stand is designed to securely hold the larger propane tank inverted, which is crucial for efficient liquid propane transfer.
- Position the Larger Propane Tank:** Place your larger 20LB propane tank securely in the refill stand, ensuring it is inverted. If not using a stand, carefully invert the tank on a stable, flat surface.
- Connect the Adapter to the Larger Tank:** Screw the QCC valve connector (the larger, black knob end) of the refill adapter onto the valve of the inverted 20LB propane tank. Hand-tighten until snug.
- Connect the 1LB Refillable Cylinder:** Screw the CGA600 valve connector (the smaller, brass end) of the refill adapter onto the valve of your empty Flame King 1LB refillable cylinder. Hand-tighten until snug. Ensure the 1LB cylinder is positioned upright and stable.
- Ensure Outdoor Use:** Confirm that all connections are secure and you are in a well-ventilated outdoor area, away from any ignition sources.



Image: The Flame King Refill Adapter Valve connected to an inverted 20LB propane tank and an upright 1LB refillable cylinder, ready for refilling.

Image: The Flame King Refill Adapter Valve in use with a refill stand and a 1LB refillable cylinder, demonstrating the "Eco-Friendly Reusable Alternative" concept.

OPERATING INSTRUCTIONS (REFILLING PROCESS)

Follow these steps carefully to refill your Flame King 1LB refillable propane cylinder:

- Open the Large Tank Valve:** Slowly open the valve on the larger 20LB propane tank. You may hear a slight hiss as propane begins to flow into the adapter.
- Activate the EZ Lever:** Press and hold the EZ lever on the refill adapter. This will allow propane to flow into the 1LB cylinder. You will hear the gas transferring and may notice the 1LB cylinder getting cold.
- Bleed Air (if necessary):** If your 1LB cylinder is completely empty, it may contain air. Use a small hex key (often included with refillable cylinders) to briefly open the bleed screw on the 1LB cylinder to release trapped air. Close the bleed screw once liquid propane starts to escape (a white mist).
- Monitor Filling:** Continue holding the EZ lever. The filling process typically takes 1-2 minutes. The 1LB cylinder will become noticeably heavier as it fills. Do not overfill; the EZ lever helps prevent this by automatically pinching off fuel flow when released.
- Release EZ Lever and Close Tank Valve:** Once the 1LB cylinder is sufficiently filled (or after about 1-2 minutes), release the EZ lever. Then, close the valve on the larger 20LB propane tank.
- Disconnect Cylinders:** Carefully unscrew the 1LB refillable cylinder from the adapter, then unscrew the adapter from the 20LB tank. There may be a small amount of residual gas released during disconnection; this is normal.
- Check for Leaks:** Before using the refilled 1LB cylinder, apply a soapy water solution to its valve and connections. If bubbles appear, tighten the connection or replace the cylinder if damaged.

Your browser does not support the video tag.

Video: Official Flame King demonstration of the refill process using the adapter and stand. This video illustrates the steps for connecting the tanks, operating the EZ lever, and bleeding air from the 1LB cylinder.

MAINTENANCE

- Cleaning:** Wipe the adapter clean with a damp cloth after each use. Do not use harsh chemicals or abrasive cleaners.
- Inspection:** Regularly inspect the adapter for any signs of wear, damage, or corrosion. Check the threads and seals for integrity.
- Storage:** Store the adapter in a clean, dry place when not in use. Keep it away from extreme temperatures and direct sunlight.
- O-Rings/Seals:** Periodically check the O-rings and seals for cracks or deterioration. Replace if necessary to ensure a leak-free connection.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Propane not flowing into 1LB cylinder.	<ul style="list-style-type: none">Large tank valve not fully open.EZ lever not pressed.1LB cylinder contains air.Large tank is not inverted.	<ul style="list-style-type: none">Ensure large tank valve is fully open.Press and hold the EZ lever.Briefly open the bleed screw on the 1LB cylinder to release air.Ensure the 20LB tank is inverted for liquid transfer.

Problem	Possible Cause	Solution
Gas leak detected (hissing sound, soapy bubbles).	<ul style="list-style-type: none"> Loose connections. Damaged O-rings or seals. Damaged adapter or cylinder valve. 	<ul style="list-style-type: none"> Tighten all connections. Inspect and replace O-rings/seals if damaged. Do not use if adapter or cylinder is damaged; replace immediately.
1LB cylinder not filling completely.	<ul style="list-style-type: none"> Air trapped in 1LB cylinder. Large tank pressure is low. 	<ul style="list-style-type: none"> Bleed air from the 1LB cylinder. Ensure the large tank has sufficient propane.

SPECIFICATIONS

- Model:** YSNEZF2.0
- Material:** Brass
- Adapter Length:** Approximately 9 inches
- EZ Lever Length:** Approximately 3 inches
- Inlet Connector:** QCC Valve Connector
- Outlet Connector:** CGA600 Valve Connector
- Product Dimensions:** 8 x 6 x 1.2 inches
- Item Weight:** 15.2 ounces

SUPPORT & WARRANTY

For product support, warranty information, or to purchase additional Flame King products, please visit the official Flame King store or contact customer service.

Official Flame King Store: [Flame King on Amazon](#)

For specific warranty details, please refer to the documentation included with your purchase or contact Flame King directly.

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