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> GasOne 50180 Propane Refill Adapter User Manual

Gas One 50180

GasOne 50180 Propane Refill Adapter User Manual

Model: 50180

INTRODUCTION

The GasOne 50180 Propane Refill Adapter is designed to allow users to safely and efficiently refill 1lb portable propane tanks from larger 20lb propane tanks. This adapter provides a secure and airtight connection, reducing waste and offering a cost-effective solution for your portable propane needs.

SAFETY INFORMATION

WARNING: Propane is highly flammable and can cause serious injury or death if not handled properly. Always follow these safety guidelines:

- **Outdoor Use Only:** Always refill propane tanks outdoors in a well-ventilated area, away from any ignition sources (e.g., open flames, sparks, pilot lights, electrical equipment).
- **Eye and Hand Protection:** Wear safety glasses and gloves to protect against accidental propane release.
- **Leak Check:** Before and after refilling, check all connections for leaks using a soapy water solution. Bubbles indicate a leak. Tighten connections or replace faulty parts immediately.
- **Do Not Overfill:** Never fill 1lb tanks beyond 80% capacity. Overfilling can lead to dangerous pressure buildup and rupture.
- **Proper Positioning:** Ensure the 20lb source tank is inverted and positioned above the 1lb receiving tank to allow liquid propane to flow downwards.
- **Slow Filling:** Open the source tank valve slowly to prevent rapid temperature drops and freezing, which can disrupt the transfer and create safety hazards.
- **Storage:** Store propane tanks in a cool, dry, well-ventilated area, away from direct sunlight and heat sources.
- **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.

PRODUCT OVERVIEW

The GasOne 50180 Propane Refill Adapter is constructed from high-quality brass for durability and corrosion resistance, ensuring a secure and airtight connection. It features a QCC (ACME) fitting for standard 20lb propane tanks and a 16.4 oz (1lb) propane tank fitting for smaller cylinders.



Image: GasOne 50180 Propane Refill Adapter, highlighting its brass construction and black plastic grip.

SETUP

1. **Prepare Tanks:** Ensure both the 20lb source tank and the 1lb receiving tank are in good condition and free from damage. The 1lb tank should be empty.
2. **Connect Adapter to 20lb Tank:** Screw the black plastic end of the GasOne 50180 adapter onto the valve of your 20lb propane tank. Hand-tighten firmly to ensure a secure connection.
3. **Connect 1lb Tank to Adapter:** Screw the 1lb portable propane tank onto the brass end of the adapter. Hand-tighten firmly.
4. **Position Tanks:** Invert the 20lb source tank so it is upside down and positioned above the 1lb receiving tank. This allows liquid propane to flow by gravity.



Image: The GasOne 50180 adapter connecting a large 20lb propane tank (inverted) to a small 1lb green propane tank.

Video: Demonstration of connecting a propane refill adapter hose to tanks. This video shows a similar process for connecting a refill adapter to a larger propane tank and a smaller 1lb tank, ensuring secure connections before refilling.

OPERATING INSTRUCTIONS

1. **Open Source Tank Valve:** Slowly open the valve on the 20lb source tank. You should hear propane flowing into the 1lb tank.
2. **Bleed Air (Optional but Recommended):** The 1lb tank may contain residual air. To maximize fill, use a small tool (e.g., Allen wrench) to gently depress the relief valve on the 1lb tank for a few seconds to release trapped air. Be cautious as propane gas will escape.
3. **Monitor Filling:** Allow approximately 1-2 minutes for the 1lb tank to fill. You can feel the 1lb tank getting colder as it fills. Do not overfill.
4. **Close Valves:** Once filling is complete (or after 1-2 minutes), close the valve on the 20lb source tank first, then close the relief valve on the 1lb tank if it was opened.
5. **Disconnect:** Carefully disconnect the 1lb tank from the adapter, then disconnect the adapter from the 20lb tank.
6. **Leak Check:** Perform a final leak check on the refilled 1lb tank before use.



Image: Close-up of the adapter during the refilling process, with the 20lb tank inverted above the 1lb tank.

MAINTENANCE

To ensure the longevity and safe operation of your GasOne 50180 Propane Refill Adapter:

- **Inspection:** Regularly inspect the adapter for any signs of wear, damage, or corrosion. Check the threads for cleanliness and integrity.
- **Cleaning:** Keep the adapter clean and free of debris. Use a soft cloth to wipe down the brass and plastic components.
- **Storage:** Store the adapter in a dry, protected area when not in use.

TROUBLESHOOTING

- **Leaks:** If you detect a propane leak (e.g., smell of gas, hissing sound, bubbles with soapy water), immediately close all valves and tighten connections. If the leak persists, replace the faulty component or adapter.
- **Slow or Incomplete Fill:**
 - Ensure the 20lb source tank is fully inverted and positioned above the 1lb tank.
 - Make sure the 1lb tank is completely empty before refilling.
 - Gently depress the relief valve on the 1lb tank to release trapped air, allowing more liquid propane to enter.
 - Consider chilling the 1lb tank in a freezer for 15-30 minutes before refilling to create a greater pressure differential.

SPECIFICATIONS

Model Number	50180
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Brand	Gas One
Product Weight	0.38 lb (1.12 ounces as per specifications)
Inlet Fitting	3/8" Flare Fitting Male QCC (ACME)
Outlet Fitting	16.4 oz (1 lb.) Propane Tank Fitting
Material	Brass
Product Dimensions	2.75 x 1.75 x 1.45 inches

WARRANTY & SUPPORT

For warranty information, technical support, or any questions regarding your GasOne 50180 Propane Refill Adapter, please contact Gas One customer service directly. Refer to the product packaging or the official Gas One website for the most current contact details.