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› Techomey HSG-40B2U-P-FBM-2 1.4 Cu.ft 3-Way Propane Refrigerator User Manual

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1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Techomey HSG-40B2U-P-FBM-2 1.4 Cu.ft 3-Way Propane Refrigerator. Please read these instructions thoroughly before installation and use, and retain them for future reference. This compact refrigerator is designed for versatile use in RVs, trucks, camps, and outdoor settings, offering cooling via 12V DC, 110V AC, or LPG gas.

3 Way Power



Figure 1.1: Techomey 1.4 Cu.ft 3-Way Propane Refrigerator.

2. SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information, consult a qualified installer, service agency, or the gas supplier.

- Ensure adequate ventilation when operating the refrigerator on gas (LPG). Carbon monoxide poisoning is a serious risk in enclosed spaces without proper airflow.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Check for gas leaks regularly, especially after connecting or replacing the gas cylinder. Use a leak detection solution, never an open flame.
- Keep children away from the appliance during operation.
- Always disconnect power sources (12V, 110V, and LPG) before cleaning or performing maintenance.
- Ensure the refrigerator is placed on a stable, level surface to ensure proper operation of the absorption cooling system.
- Do not block ventilation openings on the appliance or in the surrounding structure.

3. PRODUCT FEATURES

The Techomey HSG-40B2U-P-FBM-2 refrigerator offers a range of features designed for convenience and efficiency:

- **3-Way Power Supply:** Operates on 12V DC, 110V AC, or LPG gas, providing flexibility for various environments.
- **Efficient Cooling:** Achieves temperatures between 32-50°F (0-10°C) to keep food fresh.
- **Compact Capacity:** 1.4 Cu.ft (40 Liters) storage, suitable for beverages, fruits, and small food items.
- **Quiet Operation:** Advanced absorption cooling system ensures low noise levels (no more than 21dB).
- **Automatic Defrost:** Simplifies maintenance by preventing ice buildup.
- **Top Open Door Design:** Convenient access to contents.
- **Integrated Cup Holders:** Two cup holders on the lid for added convenience.



Figure 3.1: The refrigerator supports three power sources: 110V AC, 12V DC, and LPG gas.

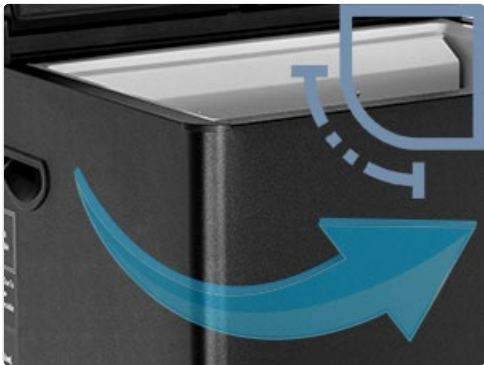


Figure 3.2: The refrigerator maintains temperatures between 32-50°F (0-10°C) for optimal food preservation.

Operation Steps on AC



Figure 3.3: The absorption cooling system ensures quiet operation, typically below 21dB.

4. SETUP

4.1 Unpacking

Carefully remove the refrigerator from its packaging. Inspect for any shipping damage. Report any damage to your retailer immediately.

4.2 Placement

- Place the refrigerator on a firm, level surface. Proper leveling is crucial for the efficient operation of the absorption cooling system.
- Ensure there is adequate ventilation around the unit, especially when operating on gas. Do not place it in an enclosed, unventilated space.
- Avoid direct sunlight or heat sources, as this can reduce cooling efficiency.



Figure 4.1: Product dimensions for placement reference (W*D*H: 19.7*19.4*17.4 inches).

4.3 Initial Cleaning

Before first use, clean the interior and exterior of the refrigerator with a damp cloth and mild detergent. Dry thoroughly.

5. OPERATING INSTRUCTIONS

The refrigerator features a control panel for managing power sources and temperature. Familiarize yourself with the controls:



Figure 5.1: Control Panel Overview. A: Piezo ignitor, B: Flame indicator, C: Safety valve button, D: Thermostat knob.

5.1 Operation on 12V DC

1. Ensure the thermostat knob (D) is **NOT** turned to AC mode.
2. Connect the 12V power supply cable to the refrigerator and your vehicle's 12V outlet.
3. The refrigerator will begin cooling. Temperature adjustment is typically not available in 12V mode, as it's primarily for maintaining temperature during transit.



Figure 5.2: Steps for operating the refrigerator using 12V DC power.

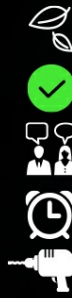
5.2 Operation on 110V AC

1. Turn the thermostat knob (D) to the AC mode setting.
2. Connect the 110V power supply cable to the refrigerator and a standard wall outlet.
3. Initially, adjust the thermostat knob (D) to MAX and allow the refrigerator to operate for five hours to reach optimal cooling. After this initial period, you can adjust the thermostat knob (D) to your desired temperature setting.

Silent Low Noise

No More Than 21dB

Easy to fall asleep in low noise



20 Db
21 Db
40 Db
50 Db
100 Db

Figure 5.3: Steps for operating the refrigerator using 110V AC power.

5.3 Operation on LPG Gas

1. Ensure the thermostat knob (D) is **NOT** turned to AC mode.
2. Connect the LPG gas cylinder to the refrigerator following the manufacturer's instructions for the gas hose and regulator. Ensure all connections are secure and check for leaks using a soapy water solution.
3. Depress the safety valve button (C) and hold it down. While holding, press the piezo ignitor (A) repeatedly until the flame ignites.
4. Check the flame indicator (B). The pointer should move from the red section to the green section once the flame is lit.
5. Continue to hold the safety valve button (C) for a further 10-15 seconds after the flame is alight to ensure the thermocouple is heated and the flame remains lit.
6. Release the safety valve button (C) and re-check that the flame is still alight via the indicator (B).
7. Adjust the thermostat knob (D) to your desired temperature setting. Allow 6 to 8 hours for the refrigerator to reach the desired cooling temperature on gas.

IMPORTANT: Always ensure proper ventilation when operating on LPG gas. Never operate on gas in an unventilated enclosed space.

Operation Steps on LPG

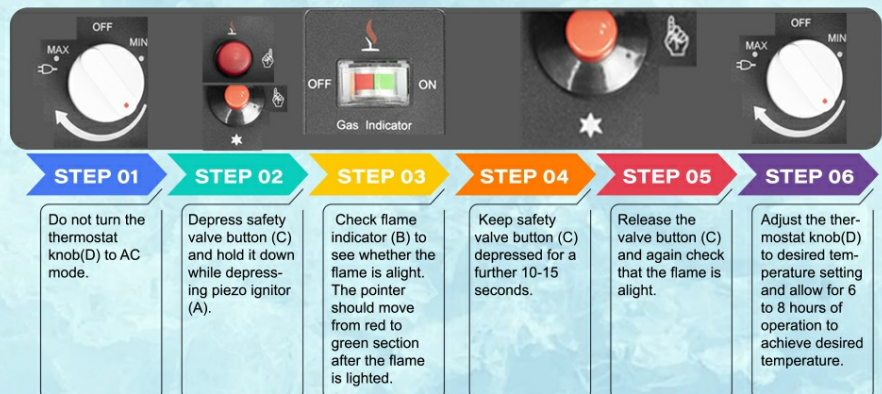


Figure 5.4: Detailed steps for operating the refrigerator using LPG gas.

6. MAINTENANCE

6.1 Cleaning

- Always disconnect all power sources (12V, 110V, and LPG) before cleaning.
- Clean the interior regularly with a mild detergent and warm water. Avoid abrasive cleaners or solvents.
- Wipe down the exterior with a soft, damp cloth.
- Ensure the ventilation grilles are free from dust and debris to maintain efficient operation.

6.2 Defrosting

This refrigerator features automatic defrost. However, if a significant ice buildup occurs, manually defrost the unit by turning it off and leaving the lid open until the ice melts. Wipe away any water and dry the interior before restarting.

6.3 Long-Term Storage

If storing the refrigerator for an extended period, ensure it is clean, dry, and the lid is slightly ajar to prevent odors and mildew.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Refrigerator not cooling	No power supply (12V/110V/LPG) Thermostat set too high Poor ventilation Unit not level	Check power connections and sources. Adjust thermostat to a lower setting. Ensure clear airflow around the unit. Relocate to a level surface.
Gas flame not igniting	No gas supply Gas cylinder empty Air in gas line Safety valve not held long enough	Check gas connection. Replace or refill gas cylinder. Purge air by attempting ignition several times. Hold safety valve button for 10-15 seconds after ignition.
Excessive noise	Unit not level Loose components	Ensure the refrigerator is on a level surface. Contact customer support if noise persists.
Odor inside refrigerator	Food spoilage Improper cleaning Lid closed during long storage	Clean interior thoroughly. Ensure proper ventilation during storage.

8. SPECIFICATIONS

Model Name: HSG-40B2U-P-FBM-2

Brand: Techomey

Product Dimensions (D x W x H): 19.4" x 19.7" x 17.4"

Capacity: 1.4 Cu.ft (40 Liters)

Cooling Method: Absorption

Temperature Range: 32-50°F (0-10°C)

Power Sources: 12V DC, 110V AC, LPG Gas

Defrost System: Automatic

Noise Level: ≤ 21dB

Item Weight: 43 Pounds

Color: Black



Figure 8.1: The 1.4 Cu.ft interior capacity is suitable for various items.

9. WHAT'S IN THE BOX

Upon unpacking, you should find the following items:

- Techomey 1.4 Cu.ft 3-Way Propane Refrigerator Unit
- User Manual
- 12V DC Power Cable
- 110V AC Power Cable

- LPG Gas Hose and Regulator (may vary by region/package)



Figure 9.1: Included components with your Techomey refrigerator.

10. WARRANTY AND SUPPORT

10.1 Warranty Information

This Techomey refrigerator comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. Please retain your proof of purchase for warranty claims.

The warranty does not cover damage resulting from:

- Improper installation or operation.
- Accident, misuse, abuse, or neglect.
- Unauthorized repairs or modifications.
- Damage caused by external factors such as natural disasters or power surges.

10.2 Customer Support

For technical assistance, warranty claims, or replacement parts, please contact Techomey customer support. Refer to the contact information provided on the Techomey website or your purchase documentation.

You can also visit the official Techomey store on Amazon for more product information and support: [Techomey Appliances Store](#)

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

you@example.com

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