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Techomey HSG-100D2U-FBM

Techomey HSG-100D2U-FBM 3-Way Gas Refrigerator with Freezer User Manual

Model: HSG-100D2U-FBM | Brand: Techomey

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Techomey HSG-100D2U-FBM 3-Way Gas Refrigerator with Freezer. Please read it thoroughly before installation and use, and retain it for future reference.

The Techomey 3-Way Gas Refrigerator is designed for versatile use, operating on 12V DC, 110V AC, or LPG gas. It features a 3.5 cubic feet total capacity, including a 3.0 cubic feet refrigerator compartment and a 0.5 cubic feet top freezer. Its advanced absorption cooling system ensures quiet operation and automatic defrosting.



Image 1: Techomey 3-Way Gas Refrigerator with interior view and external propane tank.

2. SAFETY INFORMATION

Always ensure proper ventilation when operating the appliance, especially when using LPG gas. Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance. This appliance is intended for household and similar applications such as:

- Staff kitchen areas in shops, offices, and other working environments.
- Farm houses and by clients in hotels, motels, and other residential type environments.
- Bed and breakfast type environments.
- Catering and similar non-retail applications.

WARNING: Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.

WARNING: Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

WARNING: Do not damage the refrigerant circuit.

WARNING: Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.

3. PRODUCT FEATURES

- **3-Way Power:** Operates on 12V DC, 110V AC, or LPG gas (2.8Kpa / 28mbar gas pressure).
- **Dual Zone Design:** 3.0 Cu.Ft refrigerator (32-50°F / 0-10°C) and 0.5 Cu.Ft freezer (-0.4°F / -18°C).
- **Quiet Operation:** Advanced absorption cooling system ensures silent running.
- **Automatic Defrost:** Simplifies maintenance.
- **Compact and Portable:** Ideal for RVs, campers, cabins, semi-trucks, and vans.
- **Reversible Door:** Allows adjustment of door opening direction to suit your needs.



Image 2: Key features and dimensions of the refrigerator.



2-IN-1 DESIGN

3.5 cu. ft. capacity gives you the space to keep fresh foods (3 cu.ft) and enough room to store frozen foods (0.5 cu.ft).

- Better preserved freshness
- Cleaner fridge and freezer shelves
- Dual zone to store foods

Image 3: Illustration of the 2-in-1 design with separate fridge and freezer sections.

4. SETUP AND INSTALLATION

4.1 Power Connection

The refrigerator supports three power sources: AC 110V, DC 12V, and LPG gas. Ensure the correct power source is connected based on your environment.

3 WAY POWER



AC 110V



DC 12V



Propane LPG Gas

Image 4: Rear connections for 3-way power options.

4.2 Gas Mode Connection

For LPG gas operation, connect the gas regulator to the fridge. Ensure all connections are secure and leak-free. Always operate in a well-ventilated area when using gas.

Gas Mode Usage Guide



Image 5: Step-by-step guide for connecting and activating gas mode.

4.3 Door Reversibility

The refrigerator door can be reversed to open from either the left or right side, providing flexibility for placement in various spaces.

Your browser does not support the video tag.

Video 1: This video demonstrates the reversible door feature of a similar propane refrigerator, allowing users to adjust the door's opening direction for convenience.

5. OPERATING INSTRUCTIONS

5.1 Control Panel Overview

The control panel located at the top of the unit allows you to manage power, ignition, and temperature settings.

EASY OPERATION



Image 6: Detailed view of the control panel and its functions.

5.2 Temperature Control

Use the manual electric thermostat knob to set the desired temperature. The refrigerator compartment maintains temperatures between 32-50°F (0-10°C), and the freezer compartment maintains -0.4°F (-18°C).

5.3 Gas Mode Operation

To operate in gas mode, ensure the gas supply is connected and turned on. Use the pulse ignition switch to ignite the flame. The flame indicator will show when the gas is operating correctly. Always ensure adequate ventilation.

Your browser does not support the video tag.

Video 2: This video provides a visual guide on how to properly use the refrigerator in gas mode, covering connection and ignition steps.

6. MAINTENANCE

6.1 Cleaning

Regularly clean the interior and exterior of the refrigerator with a mild detergent and soft cloth. Avoid abrasive cleaners or solvents. Ensure the appliance is unplugged or the gas supply is off before cleaning.

6.2 Defrosting

The unit features automatic defrost. However, if excessive ice buildup occurs in the freezer compartment, manually defrost the unit by turning it off and allowing the ice to melt. Remove food items before defrosting.

6.3 Ventilation

Maintain good ventilation around the appliance, especially the rear cooling unit, to ensure optimal performance and safety, particularly when operating on gas.

7. TROUBLESHOOTING

If you experience issues with your refrigerator, consider the following common solutions before contacting support:

- **Appliance not cooling:** Check power supply (12V, 110V, or gas). Ensure the thermostat is set correctly. For gas mode, verify the flame is lit and gas pressure is adequate.
- **Excessive noise:** While designed for quiet operation, ensure the appliance is level and stable. Check for any obstructions around the cooling unit.
- **Poor cooling performance:** Ensure the door is properly sealed. Avoid overloading the compartments. Check for proper ventilation around the unit.

For persistent issues, refer to the warranty and support section.

8. SPECIFICATIONS

Feature	Detail
Brand	Techomey
Model Number	HSG-100D2U-FBM
Power Sources	12V DC, 110V AC, LPG Gas
Gas Pressure	2.8Kpa (28mbar)
Total Capacity	3.5 Cubic Feet
Refrigerator Capacity	3.0 Cubic Feet
Freezer Capacity	0.5 Cubic Feet
Refrigerator Temperature Range	32-50°F (0-10°C)
Freezer Temperature	-0.4°F (-18°C)
Product Dimensions (W*D*H)	20.5 x 23.2 x 32.2 inches

Item Weight	75 pounds
Defrost System	Automatic
Number of Doors	1
Included Components	Shelf

9. WARRANTY AND SUPPORT

Techomey aims for quality followed up with quality customer service directly provided by the manufacturer. A satisfied solution will be given for any of your problems.

For warranty claims or technical support, please contact Techomey customer service. Keep your purchase receipt and model number handy for faster service.