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› SMETA 40L 3-Way Absorber Refrigerator User Manual

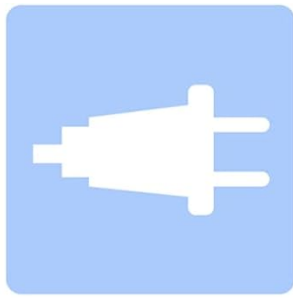
SMETA T-DSG-40B2E(A)

SMETA 40L 3-Way Absorber Refrigerator User Manual

Model: T-DSG-40B2E(A)

1. INTRODUCTION

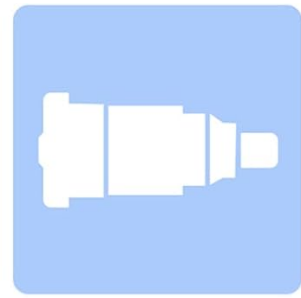
Thank you for choosing the SMETA 40L 3-Way Absorber Refrigerator. This appliance is designed for versatile cooling, offering operation via propane/natural gas, AC 220V-240V, and DC 12V. Its silent operation and efficient cooling make it ideal for various applications, including RVs, caravans, camping, and off-grid living. This manual provides essential information for the safe and efficient use of your refrigerator.



AC 220V



GAS



DC 12V



Image 1.1: The SMETA 40L 3-Way Absorber Refrigerator, highlighting its compatibility with AC 220V, Gas, and DC 12V power sources. The refrigerator is shown open, filled with various food and beverage items.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the refrigerator. Failure to follow these instructions may result in property damage, personal injury, or death.

- **Gas Pressure:** When operating on gas, ensure the gas pressure is precisely **30 mbar**. Incorrect gas pressure can lead to improper ignition or inefficient operation.
- **Ventilation:** Always ensure adequate ventilation when using the refrigerator, especially when operating on gas. Poor ventilation can lead to a buildup of harmful gases.
- **Regulator Valve:** If your gas regulator valve is 1 PSIG, the refrigerator may not ignite continuously. It is crucial to use a regulator that provides 30 mbar pressure. Contact customer support if you need to exchange your regulator.
- **Flammable Materials:** Do not store or use flammable materials near the refrigerator.
- **Installation:** Ensure the refrigerator is installed on a stable, level surface to ensure proper operation of the absorption cooling system.



Image 2.1: An illustration comparing a correct 0.5 PSIG gas regulator (indicated with a green checkmark) and an incorrect 1 PSIG regulator (indicated with a red cross). The accompanying text emphasizes the requirement for a 30 mbar regulator for continuous gas ignition.

3. PRODUCT OVERVIEW

The SMETA 40L Absorber Refrigerator is designed for convenience and efficiency. It features a compact form factor suitable for various environments.

Key Components:

- **Control Panel:** Located at the top, it houses controls for power selection, temperature, and gas ignition.
- **Interior:** Features a 40-liter capacity with removable shelves for flexible storage of food and drinks.
- **Door:** Reversible door orientation for adaptable placement.

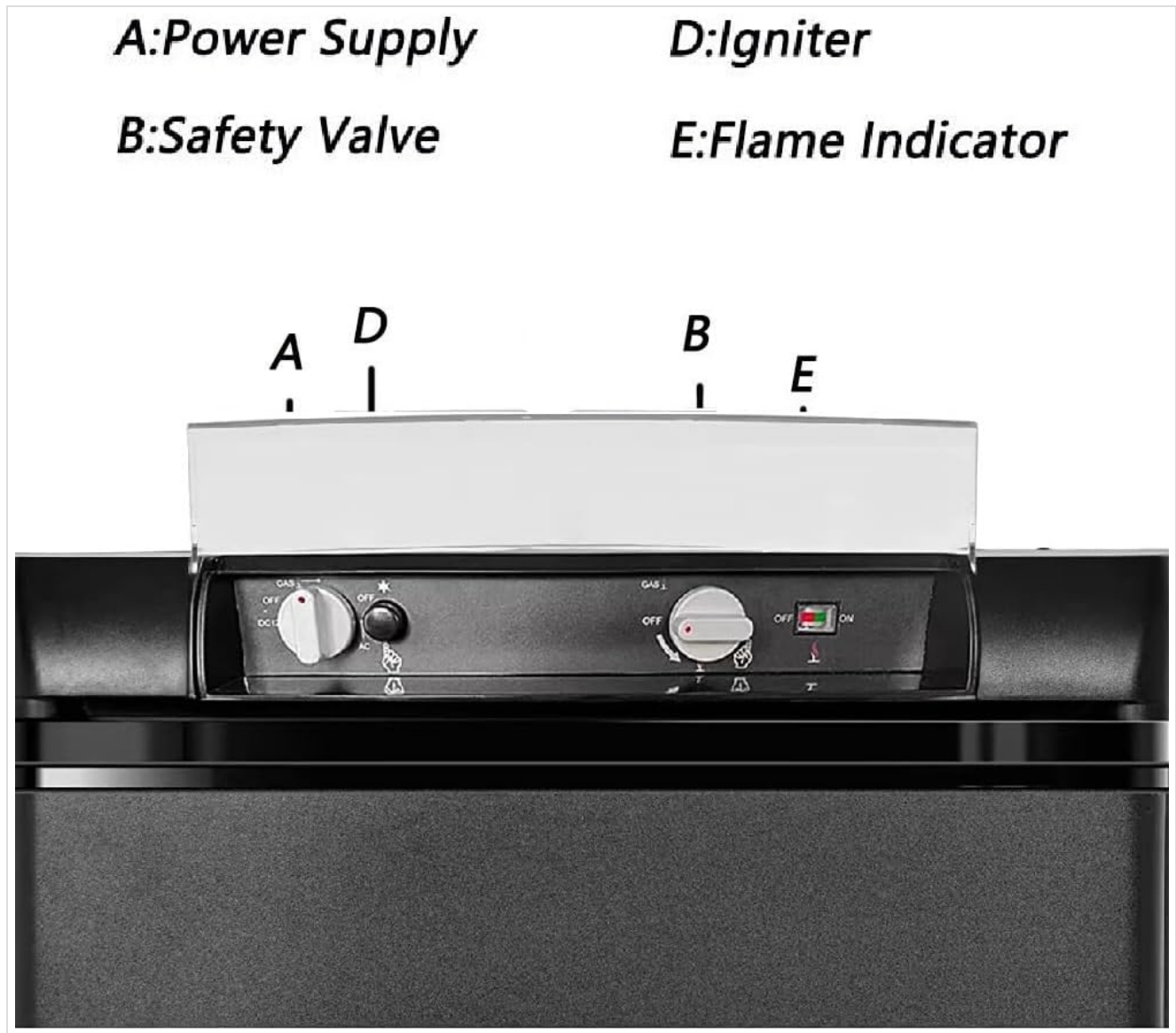


Image 3.1: A detailed view of the refrigerator's control panel. Labels indicate 'A: Power Supply' (selector switch), 'B: Safety Valve' (gas control knob), 'D: Igniter' (ignition button), and 'E: Flame Indicator' (indicator light).

4. SETUP

4.1 Placement

Position the refrigerator in a location that allows for proper ventilation, especially around the rear where the cooling unit is located. Ensure the surface is level to optimize cooling performance. This unit is suitable for bedrooms, bars, apartments, trucks, camping, and campers.



Image 4.1: The SMETA refrigerator positioned outdoors next to a picnic table and a gas cylinder, demonstrating its suitability for camping environments.

4.2 Power Connections

The refrigerator supports three power sources:

- **AC 220V-240V:** Connect the refrigerator to a standard wall outlet using the provided AC power cord.
- **DC 12V:** Connect to a 12V DC power source, typically found in vehicles or RVs. Ensure the connection is secure.
- **Gas (Propane/Natural Gas):** Connect a gas cylinder with a 30 mbar regulator to the gas inlet. Ensure all gas connections are tight and leak-free. Refer to Image 2.1 for regulator guidance.

5. OPERATING INSTRUCTIONS

5.1 Power Source Selection

Use the 'Power Supply' selector switch (labeled 'A' in Image 3.1) on the control panel to choose your desired power source: AC, DC, or Gas. Ensure only one power source is selected at a time.

5.2 Temperature Control

The refrigerator maintains a temperature range of 0°C to 10°C. Adjust the temperature control knob on the control panel to your desired cooling level. Allow several hours for the refrigerator to reach the set temperature, especially during initial startup.

5.3 Gas Ignition (for Gas Operation)

1. Ensure the gas cylinder is open and the gas pressure is 30 mbar.
2. Select 'Gas' on the power supply switch.
3. Press and hold the 'Safety Valve' knob (labeled 'B' in Image 3.1) and simultaneously press the 'Igniter' button (labeled 'D' in Image 3.1) repeatedly until the flame ignites.
4. Observe the 'Flame Indicator' (labeled 'E' in Image 3.1) to confirm successful ignition. Hold the safety valve knob for a few more seconds after ignition, then release.
5. If the flame does not ignite, repeat the process after a short pause.

5.4 Silent Operation

Due to its absorption cooling technology, the refrigerator operates silently as it has no compressor or moving parts. This makes it suitable for noise-sensitive environments.

6. MAINTENANCE

6.1 Cleaning

- Always disconnect power (AC/DC) and turn off the gas supply before cleaning.
- Clean the interior with a mild detergent and warm water. Avoid abrasive cleaners.
- Wipe down the exterior with a soft, damp cloth.
- Ensure the ventilation grilles at the rear are free from dust and debris to maintain efficient cooling.

6.2 Defrosting

This refrigerator features a NoFrost defrost system, minimizing the need for manual defrosting. However, if ice buildup occurs, turn off the refrigerator, remove contents, and allow the ice to melt naturally. Wipe away excess water.

6.3 Long-Term Storage

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

7. TROUBLESHOOTING

If you encounter issues with your refrigerator, refer to the following common problems and solutions:

- **Refrigerator Not Cooling:**
 - Check if the power source (AC, DC, or Gas) is properly connected and active.
 - Ensure the temperature control is set correctly.
 - Verify adequate ventilation around the cooling unit.
 - For gas operation, confirm the gas pressure is 30 mbar and the flame is ignited.

- **Gas Flame Not Igniting:**

- Check gas supply and ensure the cylinder valve is open.
- Confirm the gas regulator provides 30 mbar pressure (not 1 PSIG).
- Repeat the ignition procedure, holding the safety valve knob for a longer duration after pressing the igniter.

- **Unusual Odors:**

- Clean the interior thoroughly.
- Ensure food items are properly sealed.

If problems persist after attempting these solutions, please contact SMETA customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	SMETA
Model	T-DSG-40B2E(A)
Product Dimensions	46 x 48.5 x 56.5 cm
Weight	23 kg
Capacity	40 litres
Freezer Capacity	40 Litres (Note: This refers to the total capacity, not a separate freezer compartment)
Noise Level	0.01 dB (Silent Operation)
Voltage	12 Volts (DC) / 220-240 Volts (AC)
Defrost System	NoFrost
Door Orientation	Reversible
Specification Met	CE

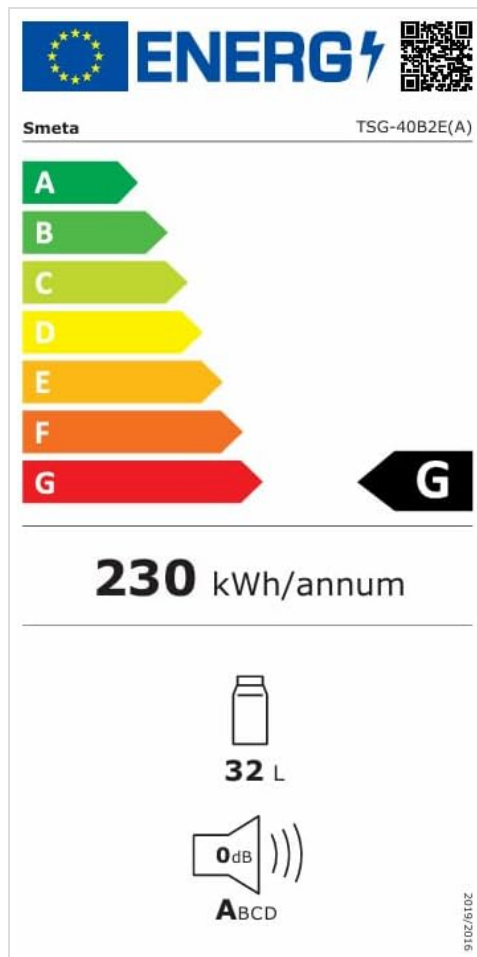


Image 8.1: The energy label for the Smeta TSG-40B2E(A) refrigerator, indicating an energy efficiency class of G, an annual energy consumption of 230 kWh, a capacity of 32 L, and a noise level of 0 dB.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to inquire about accessories such as a chimney, please contact SMETA customer service. Refer to your purchase documentation for specific warranty terms and contact details.

You can typically find support contact information on the manufacturer's official website or through your retailer.

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