

VEVOR 6L

VEVOR 6L Portable Propane Tankless Water Heater User Manual

Model: 6L

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your VEVOR 6L Portable Propane Tankless Water Heater. Please read all instructions carefully before installation and use. Retain this manual for future reference.

The VEVOR 6L Portable Propane Tankless Water Heater is designed to provide instant hot water for various outdoor and recreational vehicle (RV) applications. It operates on Liquefied Propane Gas (LPG) and features multiple safety mechanisms.

2. SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.

- **Outdoor Use Only:** This appliance is designed for outdoor use only and must be installed in a well-ventilated area. Never operate indoors or in enclosed spaces.
- **Gas Leaks:** Always check for gas leaks using a soapy water solution at all connections after installation and before each use. Never use an open flame to check for leaks.
- **Ventilation:** Ensure adequate ventilation around the unit to prevent the accumulation of unburnt gases.
- **Water Pressure:** Operate within the specified water pressure range (0.02 MPa-0.8 MPa). Low water pressure (below 0.015 MPa) may prevent ignition.
- **Over-Temperature Protection:** The unit is equipped with an over-water temperature protection device. If water temperature exceeds safe limits, the unit will shut off.
- **Flame Failure Device:** A flame failure device will automatically cut off the gas supply if the flame extinguishes.
- **Incomplete Combustion Safety Device:** Designed to detect and prevent incomplete combustion.
- **20-Minute Timer:** An in-built timer will shut off the unit after 20 minutes of continuous operation for safety.

- **Children and Pets:** Keep children and pets away from the water heater during operation.
- **Flammable Materials:** Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Portable LPG Hot Water Heater (6L)
- 1 x Shower Head Kit
- 1 x English User Manual

4. SPECIFICATIONS

Feature	Specification
Heater Output Power	12 KW
Hot Water Output	6 L/min
Gas Type	LPG (Liquid Propane Gas)
Gas Pressure	2800 Pa
Water Connector	G1/2"
Gas Hose Diameter	9.5 mm
Suitable Water Pressure	0.02 MPa - 0.8 MPa
Starting Pressure	0.015 MPa
Ignition	Battery Operated Automatic IC Ignition
Power Source	Battery Powered
Item Weight	15 pounds
Dimensions (Approx.)	22.7" H x 13.5" W x 5" D

5. SETUP AND INSTALLATION

The VEVOR 6L Portable Propane Tankless Water Heater is designed for easy setup without complex installation. It is intended to be hung on a wall or suitable sturdy support in an outdoor, well-ventilated area.

5.1 Unpacking and Inspection

- Carefully remove all components from the packaging.
- Inspect the unit for any signs of damage during transit. Do not use if damaged.
- Ensure all package contents listed in Section 3 are present.

5.2 Battery Installation

The ignition system requires two D-cell batteries (not included). Open the battery compartment (usually located at the bottom or side of the unit) and insert the batteries according to the polarity markings.

5.3 Mounting the Unit

Hang the water heater securely on a wall or a robust stand using the integrated handle. Ensure it is level and stable.

22.7"



Image: Front view of the VEVOR 6L Portable Propane Tankless Water Heater, showing its dimensions (22.7" H x 13.5" W x 5" D)

and overall design. This image helps visualize the unit's size for placement.

5.4 Connecting Water Lines

- Connect the cold water inlet (typically on the right, marked blue) to your water source using a G1/2" hose.
- Connect the hot water outlet (typically on the left, marked red) to the shower head kit or desired hot water tap using a G1/2" hose.
- Ensure all water connections are tight to prevent leaks.



Image: Rear view of the water heater, illustrating the water inlet and outlet connections, as well as the gas inlet. This view is crucial for understanding how to connect the hoses.

5.5 Connecting Gas Supply

- Connect the propane gas hose (9.5mm diameter) from your LPG cylinder to the gas inlet on the water heater.
- Use a regulator suitable for LPG and ensure the gas pressure is 2800 Pa.
- Tighten all gas connections securely.
- **Leak Test:** After connecting the gas, apply a soapy water solution to all gas connections. Bubbles indicate a

leak. If a leak is detected, immediately turn off the gas supply, tighten the connection, and re-test. Do not operate the unit if a gas leak is present.

6. OPERATING INSTRUCTIONS

Follow these steps to operate your VEVOR 6L Portable Propane Tankless Water Heater:

1. **Open Water Supply:** Turn on the cold water supply to the unit. Ensure water flows through the heater and out of the shower head or tap. This primes the system and activates the water flow sensor.
2. **Open Gas Supply:** Slowly open the valve on your LPG cylinder.
3. **Ignition:** Once water flows, the automatic IC ignition system will spark, and the burner will ignite. You should hear a clicking sound followed by a whoosh as the burner lights.
4. **Adjust Water Temperature:** Use the 'GAS REGULATOR' and 'WATER REGULATOR' knobs on the front panel to adjust the desired water temperature.
 - **GAS REGULATOR:** Controls the flame intensity. Higher gas flow results in hotter water.
 - **WATER REGULATOR:** Controls the water flow rate. Lower water flow allows more time for heating, resulting in hotter water.
5. **Summer/Winter Mode:** Select the 'SUMMER' or 'WINTER' mode using the dedicated knob.
 - **SUMMER:** Uses fewer burners, suitable for warmer ambient temperatures or when less heat is required, saving gas.
 - **WINTER:** Uses all burners for maximum heating, suitable for colder ambient temperatures or when higher hot water temperatures are desired.



Image: Close-up view of the control panel, showing the 'GAS REGULATOR', 'WATER REGULATOR', and 'SUMMER/WINTER' mode selection knobs. This image helps users identify and understand the function of each control.

6.1 Shutting Down the Unit

1. Turn off the gas supply at the LPG cylinder.
2. Turn off the water supply to the unit.
3. Allow the unit to cool down before handling or storing.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your water heater.

- **Cleaning:** Periodically clean the exterior of the unit with a damp cloth. Do not use abrasive cleaners or

solvents.

- **Inspect Gas Connections:** Regularly check all gas connections for leaks, especially after moving the unit or replacing the gas cylinder.
- **Water Inlet Filter:** The water inlet may have a filter screen. Inspect and clean it periodically to prevent blockages from sediment.
- **Battery Replacement:** Replace the D-cell batteries when the ignition becomes weak or fails to spark consistently.
- **Winterization (for cold climates):** If using in freezing temperatures, drain all water from the unit to prevent damage from freezing. Disconnect water lines and open the drain valve (if present) to ensure all water is removed. Store in a dry, protected area.

8. TROUBLESHOOTING

Refer to the following table for common issues and their solutions:

Problem	Possible Cause	Solution
No hot water / Unit not igniting	• No water flow or insufficient water pressure. • No gas supply or low gas pressure. • Dead or weak batteries. • Water inlet filter clogged. • Flame sensor dirty or faulty.	• Ensure water supply is open and pressure is within range (0.02-0.8 MPa). • Check LPG cylinder for gas, ensure valve is open, and regulator is functioning. • Replace D-cell batteries. • Clean the water inlet filter. • Contact customer support if flame sensor is suspected.
Water not hot enough	• Gas regulator set too low. • Water regulator set too high (high flow rate). • Ambient temperature too low (use WINTER mode). • Insufficient gas supply.	• Increase gas flow using the GAS REGULATOR knob. • Decrease water flow using the WATER REGULATOR knob. • Switch to WINTER mode. • Check gas supply.

Problem	Possible Cause	Solution
Unit shuts off unexpectedly	- Over-temperature protection activated. 20-minute timer activated. - Flame failure device activated (e.g., strong wind). - Low water pressure.	- Check water flow and temperature. Allow unit to cool. - This is a safety feature; restart if needed. - Ensure unit is protected from strong winds. - Check water supply.
Gas smell detected	Gas leak.	Immediately turn off gas supply. Perform a leak test with soapy water. Do not operate until leak is resolved. If unable to resolve, contact a qualified technician.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the warranty card included with your product or contact VEVOR customer service through their official website or the retailer where the product was purchased. Please have your model number (6L) and purchase date available when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

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