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KEMIMOTO KMB1716-00003-GR

KEMIMOTO Tankless Propane Water Heater KMB1716-00003-GR User Manual

Your guide to safe and efficient operation

1. Introduction

Thank you for choosing the KEMIMOTO Tankless Propane Water Heater. This manual provides essential information for the safe installation, operation, and maintenance of your unit. Please read it thoroughly before use and retain it for future reference.
This portable tankless water heater is designed for outdoor use, offering instant hot water for various activities such as camping, RV living, and pet grooming. It features a lightweight design, rapid heating capabilities, and multiple safety protections.

2. Safety Information

WARNING: Failure to follow these safety instructions could result in fire, explosion, property damage, personal injury, or death.
Always operate the unit in a well-ventilated outdoor area. Do not use indoors or in enclosed spaces.

Key Safety Features:

- **Overheat Protection:** The heater automatically shuts off if the water temperature reaches approximately 194°F (90°C) to prevent scalding.
- **Overpressure Protection:** A built-in drain valve automatically releases excess water pressure, extending pipe lifespan.
- **Leak Protection:** Internal sensors detect gas flow and automatically shut off the unit if a leak is detected, preventing explosions.
- **Flameout Protection:** Automatically shuts off the gas supply if the flame extinguishes unexpectedly.
- **Dry Burning Protection:** Prevents damage to the unit if operated without water flow.
- **Anti-Blockage Protection:** Designed to prevent blockages in the system.



Image: The KEMIMOTO Tankless Propane Water Heater highlighting its 4-Fold Safety Protection features, including Overpressure, Dry Burning, Anti-Blockage, and Flameout Protection.

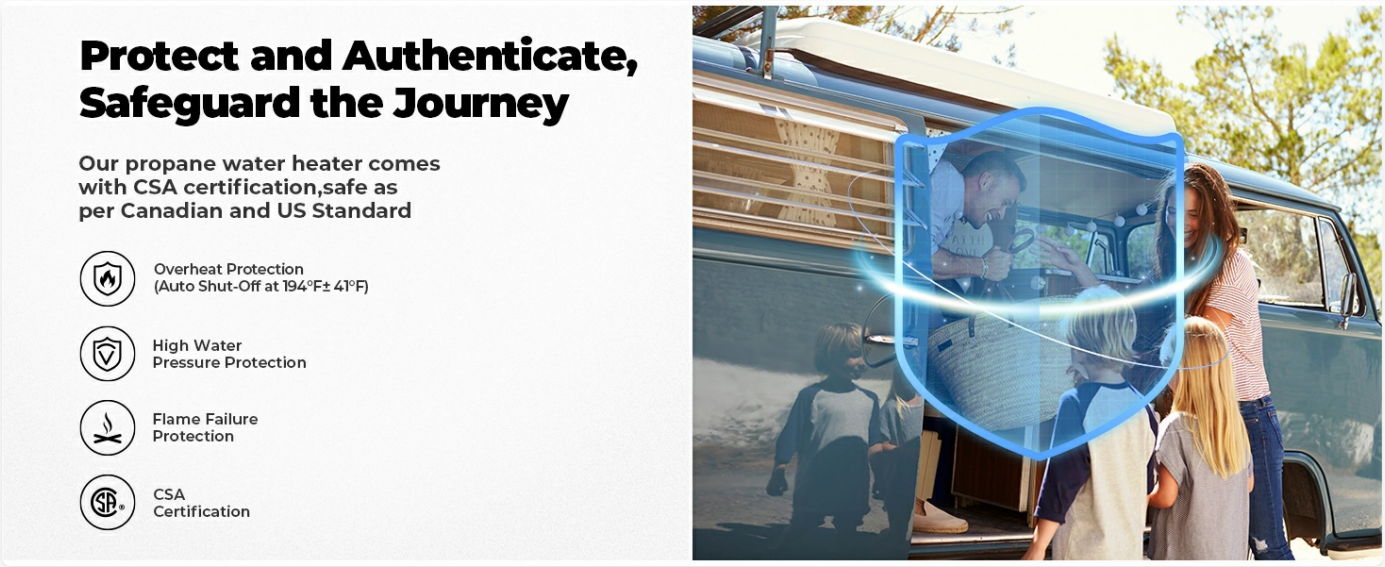


Image: Visual representation of the KEMIMOTO propane water heater's safety features and CSA certification, ensuring compliance with Canadian and US standards.

3. Package Contents

Verify that all items are present in the package:

- 1 x KEMIMOTO Tankless Propane Water Heater Unit
- 1 x 1.2 GPM Independent Water Pump
- 3 x Water Pipes (hoses)
- 1 x Showerhead (with base)
- 1 x G1/2 Inlet Adapter
- Installation Kit (with additional parts, e.g., alligator clips, cigarette lighter adapter)



Image: The KEMIMOTO Tankless Propane Water Heater displayed with all its components, including the main unit, showerhead, hoses, water pump, and connection accessories, ready for installation.

4. Setup and Installation

The KEMIMOTO Tankless Propane Water Heater offers flexible installation options due to its detachable handle and compact design.

Installation Steps:

1. **Choose a Location:** Select a well-ventilated outdoor area. The unit can be hung on branches, protruding surfaces, vehicles, or walls.
2. **Attach Handle (if detached):** Secure the detachable handle to the top of the unit for carrying or hanging.
3. **Connect Water Pump:** Connect the independent water pump to a water source (e.g., bucket, tank) and to the water inlet of the heater. The pump can be powered via alligator clips or a cigarette lighter adapter.
4. **Connect Showerhead:** Attach the showerhead to the water outlet of the heater.
5. **Connect Propane Gas:** Connect a standard propane gas cylinder (not included) to the gas inlet of the heater using the appropriate regulator and hose (not included, typically comes with propane tank). Ensure all gas connections are tight and leak-free.
6. **Secure Mounting:** Depending on your chosen location, use the handle to hang the unit securely. For wall mounting, ensure it is vertically stable.



Image: Demonstrates the versatility of the KEMIMOTO water heater's installation, featuring a quick detachable handle for hanging, vertical wall-mounted setup, and an option for a tactical hanger on a vehicle.

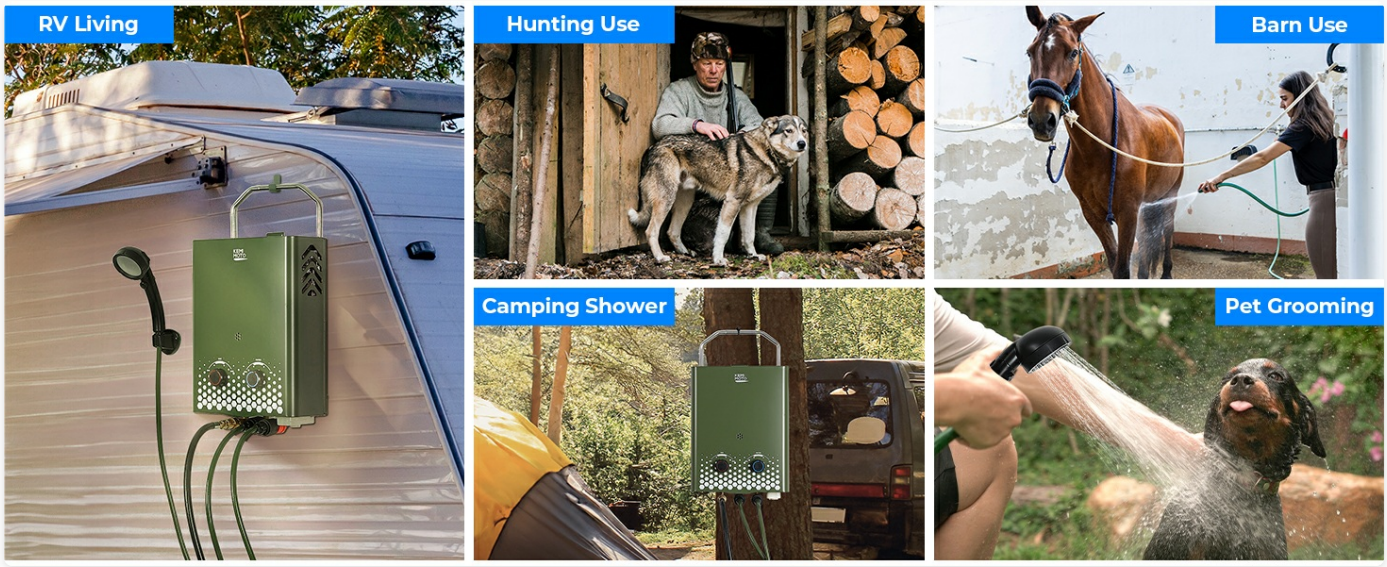


Image: A collage showcasing the KEMIMOTO water heater's adaptability for multiple outdoor activities, including RV living, hunting, barn use, camping showers, and pet grooming.

5. Operating Instructions

Starting the Unit:

1. Ensure all connections (water, gas, power for pump) are secure.
2. Open the gas supply valve on your propane tank.
3. Turn on the water pump to ensure water flow through the heater.
4. Adjust the gas and water flow knobs on the front of the unit to your desired settings. The heater will ignite automatically when water flows and gas is supplied.

Temperature Control:

The unit features adjustable gas and water flow knobs. Adjusting the gas knob controls the heat output, while the water knob controls the flow rate. A lower water flow rate generally results in hotter water, and a higher flow rate results in cooler water, assuming constant gas input. The heater can reach a maximum temperature of 176°F (80°C).



Image: An illustrative diagram demonstrating the rapid heating capability of the KEMIMOTO water heater, showing water temperature increasing from 50°F to 104°F in just 60 seconds.

Showerhead Operation:

The included showerhead has an ON/OFF button and 3 level settings to adjust water flow and spray patterns. The hose is 5 feet long for convenience.

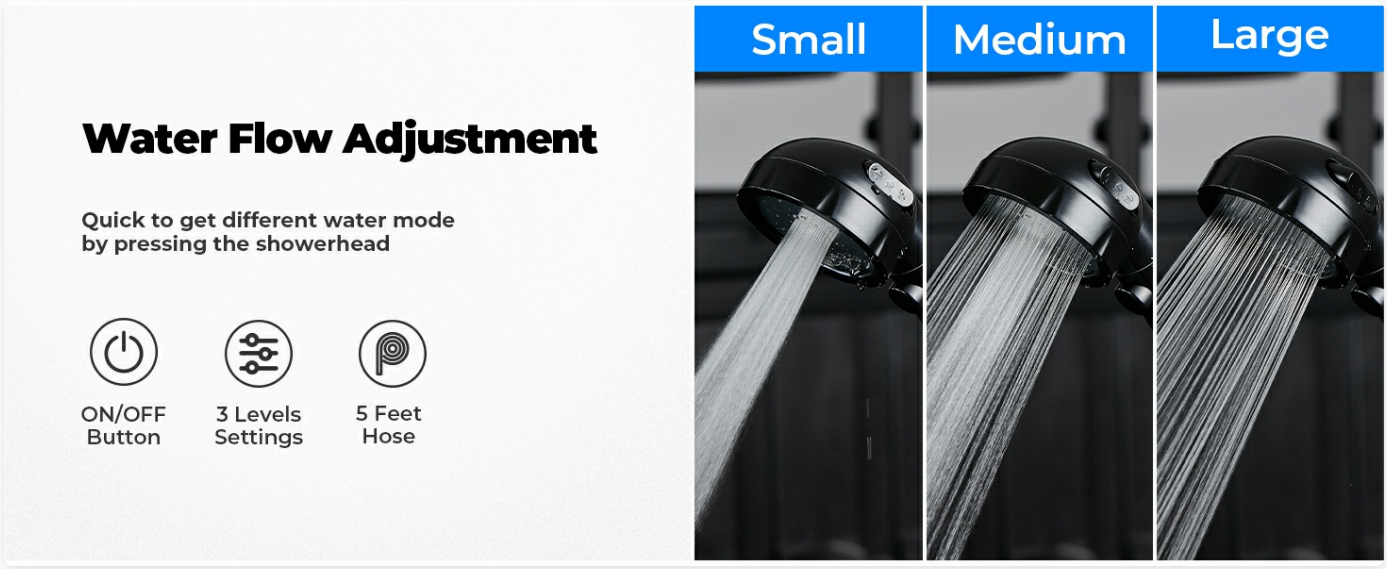


Image: Close-up of the KEMIMOTO showerhead, illustrating its ON/OFF button and three distinct water flow settings (Small, Medium, Large) for customized showering experience.

6. 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 Hoses and Connections:** Before each use, check all water and gas hoses for cracks, leaks, or damage. Ensure all connections are tight.
- **Drain Water:** After each use, especially before storing or in freezing temperatures, drain all water from the unit and hoses to prevent damage.
- **Storage:** Store the unit in a dry, protected area when not in use.

7. Troubleshooting

If you encounter issues with your KEMIMOTO Tankless Propane Water Heater, refer to the following common problems and solutions:

- **No Hot Water:**
  - Check propane tank for sufficient gas and ensure the valve is open.
  - Verify water flow and pressure from the pump.
  - Ensure the unit is properly ignited (you should hear a click and see a flame).
- **Low Water Flow:**
  - Check water pump for proper operation and power supply.
  - Inspect hoses for kinks or blockages.
  - Clean showerhead nozzle if clogged.
- **Unit Shuts Off Unexpectedly:**

- This could be a safety feature activation (overheat, flameout, etc.). Check for proper ventilation, water flow, and gas supply.
- Ensure the unit is not exposed to strong winds that might extinguish the flame.

- **Gas Leak Smell:**
  - Immediately turn off the gas supply at the tank.
  - Do not operate the unit.
  - Check all gas connections for tightness. Apply soapy water to connections; bubbles indicate a leak.
  - If the smell persists, contact customer support.

For issues not covered here, please contact KEMIMOTO customer support.

8. Specifications

Feature	Specification
Brand	KEMIMOTO
Model Number	KMB1716-00003-GR
Capacity	5 liters
GPM (Gallons Per Minute)	1.32 GPM
Heat Output	34000 BTU
Power Source	Gas Powered (Propane)
Maximum Temperature	176 °F (80 °C)
Operating Temperature Range	-20°C to 70°C
Item Weight	10 pounds
Color	Green
Mount Type	Wall / Hanging
Special Features	Detachable Handle, Water pump supports connection via alligator clips/cigarette lighter

9. Warranty and Support

Manufacturer Warranty:

This KEMIMOTO product comes with a manufacturer warranty for**12 months** from the date of purchase. Please retain your proof of purchase for warranty claims.

Customer Support:

For technical assistance, warranty claims, or any questions regarding your KEMIMOTO Tankless Propane Water Heater, please visit the official KEMIMOTO store or contact their customer service directly.
Visit the **KEMIMOTO Store on Amazon**.

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