CAMPLUX BW158BC

Camplux BW158BC Portable Tankless LPG Gas Water Heater User Manual

Model: BW158BC

1. Introduction

Thank you for choosing the Camplux BW158BC Portable Tankless LPG Gas Water Heater. This appliance is designed to provide instant hot water for various outdoor applications, including camping, RVs, stables, and off-grid use. Please read this manual thoroughly before installation and operation to ensure safe and efficient use of the product. Keep this manual for future reference.

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.

- This water heater is CE certified across the EU, ensuring compliance with safety standards.
- Always operate the unit in a well-ventilated area to prevent carbon monoxide accumulation.
- The unit features multiple safety protections, including:
  - **Flame Failure Protection:** Automatically shuts off gas supply if the flame extinguishes.
  - **Overheat Protection:** Prevents the water from reaching dangerously high temperatures.
  - **20-Minute Safety Shut-off:** Automatically turns off the unit after 20 minutes of continuous operation for added safety.
  - **Anti-freeze Protection:** A drain screw is provided to remove residual water and prevent freezing damage.
- Ensure all gas and water connections are secure and leak-free before operation.
- Do not block the exhaust vent or operate the unit without the rain hood installed outdoors.



Image: Multiple Safety Features. This diagram highlights the various safety mechanisms integrated into the water heater, such as protection against flame failure, overheating, dry combustion, high water pressure, low water flow, and freezing.

3. Package Contents

Verify that all components are present and undamaged upon unboxing:

- Camplux BW158BC Gas Water Heater Unit
- Shower Head and Hose
- CE Certified Gas Regulator (50 mbar) with 150cm hose
- Rain Hood (RC354)
- Installation Kits (screws, wall plugs)
- User Manual

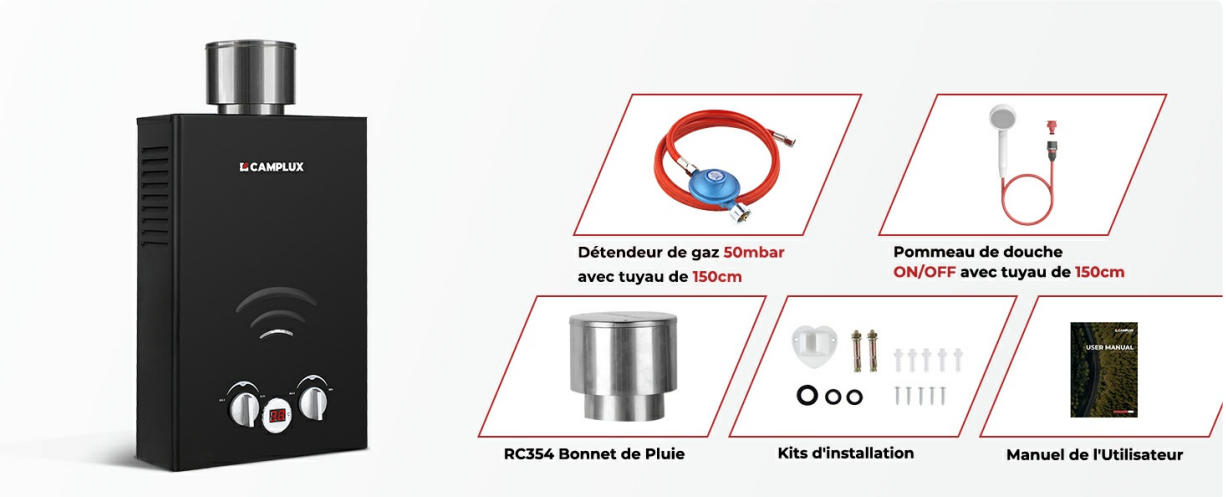


Image: Packing List. This image displays all the items included in the product package, ensuring users can verify they have received everything necessary for setup.

4. Setup and Installation

The Camplux BW158BC is designed for quick and easy outdoor installation. Follow these steps carefully:

4.1. Wall Mounting

1. Choose a suitable outdoor location for mounting, ensuring adequate ventilation and protection from

direct elements (though the rain hood provides some protection).

2. Use the provided installation kit to securely mount the water heater to a sturdy wall or structure.



Image: Wall Installation. This image illustrates the process of mounting the water heater to a wall, highlighting the mounting points on the unit.

4.2. Water Connections

1. Connect the water inlet hose (typically blue) to a cold water source. The unit requires a minimum water pressure of 0.25 bar to activate.
2. Connect the shower kit hose to the hot water outlet (typically red) on the unit.

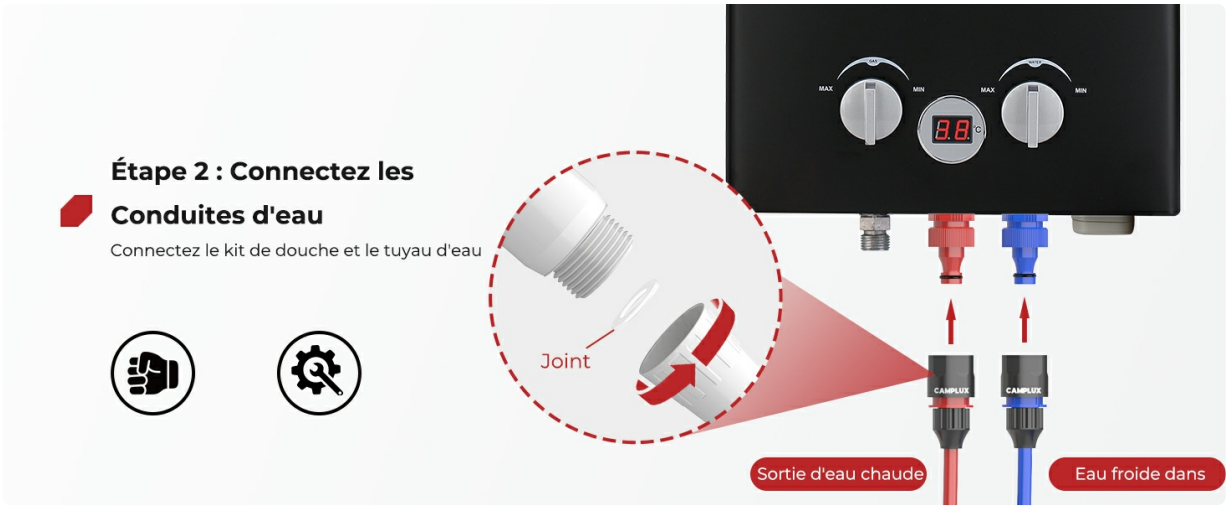


Image: Water Connections. This diagram clearly shows where to connect the cold water inlet and the hot water outlet for the shower kit.

4.3. Gas Connection

1. Connect the provided 50 mbar CE certified gas regulator to the gas inlet on the water heater.
2. Connect the other end of the regulator hose to your LPG (propane or butane) gas cylinder.
3. **Before first use and after every gas cylinder change, perform a leak test:**Apply a soapy water solution to all gas connections. If bubbles appear, there is a leak. Tighten connections or replace faulty parts. Do not use the unit if a gas leak is detected.



Image: Gas Connection. This image illustrates the steps for connecting the gas supply and emphasizes the importance of checking for leaks.

4.4. Battery Installation

1. Locate the battery compartment, usually at the bottom of the unit.
2. Insert two D-cell batteries, ensuring correct polarity (+/-). These batteries power the ignition system.



Image: Insert 2D Batteries. This image provides a visual guide for correctly installing the D-cell batteries into the water heater's compartment.

4.5. Rain Hood Installation

The included rain hood (RC354) should be placed over the exhaust vent at the top of the unit when installed outdoors. This protects the internal components from rain, leaves, and insects, extending the product's lifespan.



Image: Rain Hood. This image demonstrates the proper installation of the rain hood on the exhaust vent, highlighting its role in protecting the unit from outdoor elements.

5. Operating Instructions

Once installed and all connections are secure, operating your Camplux water heater is straightforward:

5.1. Starting the Unit

1. Ensure the gas supply to the unit is open.
2. Turn on the water flow to the unit. The water heater will automatically ignite within 5 seconds of detecting water flow.
3. The LED display will show the current outlet water temperature.

5.2. Adjusting Water Temperature

The water temperature can be easily adjusted using the control knobs on the front panel:

- **Gas Control Knob:** Adjusts the gas flow to increase or decrease the flame size, directly impacting the water temperature. Turn towards 'MAX' for hotter water, 'MIN' for cooler.
- **Water Control Knob:** Adjusts the water flow rate. A lower flow rate allows the water to heat more, resulting in hotter water. A higher flow rate results in cooler water.



Image: Easy Control. This image details the control panel, showing how to adjust gas and water flow to achieve the desired temperature, with the LED display indicating the current water temperature.

5.3. Shower Head Functions

The multi-function shower head allows you to customize your shower experience:

- Adjust the flow rate and spray pattern directly on the shower head for different options (e.g., jet, standard, rain).
- The shower head may include an ON/OFF switch for convenience.



Image: Shower Head. This image highlights the adjustable features of the shower head, allowing users to select different spray modes.

6. Maintenance

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

6.1. Winterization (Anti-freeze Protection)

To prevent damage from freezing temperatures, especially when storing the unit or not using it in cold weather:

1. Disconnect all water and gas connections.
2. Open the drain screw located at the bottom of the unit to completely drain all residual water.
3. Tilt the unit to ensure all water is expelled.
4. Store the unit indoors in a dry place.



Image: Anti-freeze. This visual guide demonstrates the essential steps for draining the water heater to prevent freezing damage during cold periods.

6.2. General Cleaning

- Periodically inspect the unit for any blockages in the exhaust vent or air intake.
- Clean the exterior with a damp cloth. Do not use abrasive cleaners.

7. Troubleshooting

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

- **No Ignition/No Hot Water:**
  - Check if the gas cylinder is open and has sufficient gas.
  - Ensure batteries are correctly installed and have power.
  - Verify water flow is sufficient (minimum 0.25 bar).
  - Check for any kinks in the water or gas hoses.
- **Water Not Hot Enough:**
  - Adjust the gas control knob towards 'MAX'.
  - Reduce the water flow rate using the water control knob.
  - Ensure the incoming water temperature is not excessively cold.
- **Unit Shuts Off During Use:**
  - This could be due to the 20-minute safety shut-off. Simply restart the unit.
  - Check for low gas pressure or an empty gas cylinder.
  - Ensure adequate ventilation to prevent safety sensors from triggering.

For persistent issues or complex repairs, please contact Camplux customer support.

8. Specifications

Feature	Specification
Model Number	BW158BC
Brand	CAMPLUX
Capacity	6 Liters per minute (LPM)
Heat Output	12 Kilowatts (kW)
Power Source	Liquid Propane (LPG)
Gas Pressure	50 mbar
Ignition Power	2 x D-cell Batteries (3 Volts)
Minimum Water Pressure	0.25 bar
Maximum Operating Pressure	8 Bars
Dimensions (L x W x H)	30 x 13.3 x 58 cm (approx. 30L x 55.5H cm)
Item Weight	5.1 Kilograms
Material	Stainless Steel

Feature	Specification
Energy Efficiency Class	A+
Installation Type	Wall-mounted
Special Feature	Portable, Rain Hood Included
UPC	750139327027



Image: Product Overview. This image provides a visual summary of the key specifications and features of the Camplux BW158BC water heater.

9. Warranty and Support

Camplux products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official Camplux website. Please have your model number (BW158BC) and purchase date available when contacting support.

Manufacturer: CAMPLUX

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