

## forimo Chauffe-eau sans réservoir

# forimo 4.74GPM 18L Indoor Natural Gas Tankless Water Heater Instruction Manual

Model: Chauffe-eau sans réservoir

## 1. INTRODUCTION

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This instruction manual provides essential information for the safe installation, operation, and maintenance of your forimo 4.74GPM 18L Indoor Natural Gas Tankless Water Heater. Please read this manual thoroughly before installation and use, and retain it for future reference. Proper installation and adherence to these instructions are crucial for optimal performance and safety.

## 2. IMPORTANT SAFETY INFORMATION

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**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.**

- **Natural Gas Only:** This appliance is designed for use with Natural Gas (LNG) only. Do not attempt to use it with Propane (LPG) or any other fuel type.
- **Ventilation:** Ensure proper ventilation and install a smoke exhaust pipe as required. Inadequate ventilation can lead to carbon monoxide poisoning.
- **Professional Installation:** Installation must be performed by a qualified professional in accordance with all local codes and regulations.
- **Water Pressure:** The unit requires a minimum water pressure of 3.6 PSI for normal operation.
- **Temperature Control:** The maximum temperature raise is 167°F (75°C). Exercise caution to prevent scalding.
- **Multi-Protection Features:** The unit includes flame failure device, anti-freezing protection, overheating protection, overpressure protection, short circuit protection, corrosion protection, and leakage protection. Do not bypass or tamper with these safety features.
- **Cold Weather:** In cold weather, if the water heater is not used for a long time, open the pressure relief valve to drain residual water to prevent freezing damage.

### 3. PRODUCT OVERVIEW

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The forimo Tankless Water Heater provides instant, on-demand hot water, eliminating the need for a storage tank. Its compact design and advanced features ensure efficiency and safety.

#### 3.1 Key Features

- **Instant Hot Water:** No preheating required, providing hot water on demand.
- **High Efficiency:** Advanced combustion technology reduces gas consumption.
- **Durable Construction:** Crafted from stainless steel and features a built-in oxygen-free copper water tank for longevity and reduced heat loss.
- **Digital Display:** LED smart digital display for effortless temperature adjustment between 86°F and 167°F.
- **Multiple Safety Protections:** Includes flame failure, anti-freezing, overheating, overpressure, short circuit, corrosion, and leakage protection.
- **Compact Design:** Saves over 50% of available space compared to traditional tank water heaters.

#### 3.2 Components and Controls





Figure 1: Front view of the forimo Tankless Water Heater, showing the LED digital display and control buttons.

# PRODUCT SPECIFICATIONS

• Dimension: Length×Width×High: 14.37×4.72×25.39inch



Figure 2: Product dimensions and detailed view of the LED smart digital display and connection points.

# LED DISPLAY

Trendy design with unique black glassy front pane

## LED touch screen

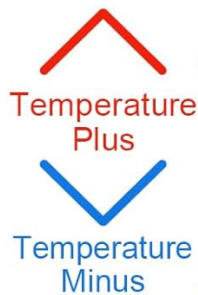
Easy to control the water temperature



At regular timemain switch



Can adjust different temperature



## Water Control Center



Figure 3: Explanation of LED display functions (temperature adjustment, timer) and exhaust pipe installation.

The LED display allows you to monitor and adjust the water temperature. Control buttons typically include power, temperature up/down, and a timer/mode switch.

## 4. TECHNICAL SPECIFICATIONS

Specification	Value
Brand	forimo
Model Number	Chauffe-eau sans réservoir
Product Dimensions (W x H)	14.37"W x 25.39"H
Item Weight	22.9 pounds
Color	Black

Specification	Value
Fuel Type	Natural Gas (LNG)
Maximum Flow Rate	4.74 Gallons Per Minute (18L)
Maximum Temperature	167 Degrees Fahrenheit (75°C)
Wattage	19894.27 watts
BTU/hour	68000 BTU/hour
Mounting Type	Wall
Water Fitting	Standard 1/2" NPT
Gas Inlet	Standard 1/2" NPT
Vent Pipe	2.5" horizontal vent pipe (included)
UPC	717012462817

## 5. INSTALLATION

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This section outlines the general steps for installing your tankless water heater. It is highly recommended that a certified professional performs the installation to ensure compliance with all local codes and safety standards.

### 5.1 Pre-Installation Checklist

- Verify that the unit is designed for Natural Gas (LNG).
- Ensure adequate water pressure (minimum 3.6 PSI).
- Confirm availability of proper ventilation and a suitable location for the exhaust pipe.
- Gather necessary tools and materials, including 1/2" NPT fittings for water and gas.

### 5.2 Mounting the Unit

The water heater is designed for wall mounting. Select a secure, vertical surface capable of supporting the unit's weight (22.9 lbs) plus water content. Ensure sufficient clearance around the unit for maintenance and proper airflow.

### 5.3 Water Connections

1. Connect the cold water supply line to the water inlet (typically on the right side, marked for cold water) using a standard 1/2" NPT fitting.
2. Connect the hot water outlet line to the water outlet (typically on the left side, marked for hot water) using a standard 1/2" NPT fitting.
3. **Important Tip:** If the hot and cold water pipes are reversed, the water heater will not respond correctly. If unsure, turn on your pump and observe where the cold water is coming from.



Figure 4: Schematic showing the correct connections for cold water inlet, hot water outlet, and gas inlet.

## 5.4 Gas Connection

Connect the natural gas supply line to the gas inlet using a standard 1/2" NPT fitting. Ensure all gas connections are tight and leak-free. Use appropriate sealant for gas lines.

## 5.5 Exhaust Pipe Installation

Install the provided 2.5" horizontal vent pipe to properly exhaust combustion gases to the outdoors. Ensure the exhaust pipe is securely fitted and sealed to prevent gas leakage into the living space. Proper ventilation is critical for safe operation.



Figure 5: Illustration of exhaust pipe installation and the location of water and gas inlets/outlets.

## 6. OPERATION

Once installed and all connections are verified, you can begin operating your forimo tankless water heater.

### 6.1 Powering On/Off

- Press the power button on the LED digital display to turn the unit on. The display will illuminate, showing the current settings.
- To turn off, press the power button again.

## 6.2 Adjusting Water Temperature

- Use the 'Up' (▲) and 'Down' (▼) buttons on the LED display to adjust the desired water temperature.
- The temperature can be set between 86°F (30°C) and 167°F (75°C).
- The display will show the set temperature and the actual outlet temperature.

## 6.3 Energy Saving Modes (Summer/Winter)

The water heater features Summer and Winter modes to optimize energy consumption based on ambient temperature. These modes adjust power input based on flow rate and temperature settings in real-time, potentially saving up to 60% on gas costs.

# EXCELLENT ENERGY EFFICIENCY

The hot water heater adjusts power input based on flow rate and temp setting in real time



Energy and Money Saving

**Summer/Winter 2 modes to save up to 60% on your propane gas costs**



winter



Summer

Figure 6: Illustration of the energy efficiency feature with Summer and Winter modes.

## 6.4 Hot Water Delivery

The unit provides 4.74 gallons per minute (GPM) of hot water, suitable for 2-3 simultaneous points of use, such as a bathroom and kitchen.

## 7. MAINTENANCE

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

## 7.1 Cold Weather Draining

If the water heater will not be used for an extended period in cold weather, it is essential to drain the residual water to prevent freezing and damage. Locate the pressure relief valve and open it to allow water to drain completely from the unit.

## 7.2 General Cleaning

- Periodically wipe down the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure the exhaust pipe and ventilation openings are clear of obstructions.
- For internal cleaning or descaling, it is recommended to contact a qualified service technician.

## 8. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here or if solutions do not resolve the issue, contact customer support or a qualified technician.

Problem	Possible Cause	Solution
No hot water	No gas supply, low water pressure, power off, reversed water pipes.	Check gas valve, ensure minimum 3.6 PSI water pressure, verify power connection, check water pipe connections (hot/cold).
Water not hot enough	Temperature setting too low, excessive flow rate, cold inlet water temperature.	Increase temperature setting on LED display, reduce water flow at faucet, consider ambient water temperature.
Unit cycles on/off frequently	Low water flow, air in system, sediment buildup.	Ensure adequate water flow, bleed air from water lines, contact technician for descaling.
Error code on display	Specific malfunction detected by the unit.	Refer to the specific error code in a more detailed troubleshooting guide (if available) or contact customer support.

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the documentation included with your purchase or contact forimo customer service. Keep your proof of purchase for warranty claims.

