

forimo Tankless Water Heater-01

forimo 16L 4.21 GPM Natural Gas Tankless Water Heater Instruction Manual

Model: Tankless Water Heater-01

1. INTRODUCTION

This manual provides essential information for the safe installation, operation, and maintenance of your forimo 16L 4.21 GPM Natural Gas Tankless Water Heater. Please read this manual thoroughly before installation and use, and retain it for future reference.

This tankless water heater is designed for indoor use, providing instant hot water with a maximum flow rate of 4.21 gallons per minute (16 liters per minute). It features a Fahrenheit digital display for precise temperature control and incorporates multiple safety protections.

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.

- Ensure proper ventilation and a smoke exhaust pipe are installed for normal operation.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- This appliance is equipped with multiple safety features including flame failure protection, anti-freezing protection, overheating protection, leakage protection, overpressure protection, short circuit protection, corrosion protection, and over-temperature protection.
- Regularly inspect the unit for any signs of damage or malfunction.

MULTIPLE SECURITY PROTECTION

Have very long service life, good durability and corrosion resistance



Dry Burning Protection

Over 65°C (**167°F**) protection



Good Durability



Corrosion Resistance



Overheating Protection



Anti-Freeze Protection



Flame-Out Protection



Leakage protection

Figure 2.1: Multiple Security Protections

This image displays the various safety features integrated into the forimo tankless water heater, such as protection against dry burning, freezing, flame-out, leakage, and overheating, ensuring safe operation.

3. PRODUCT SPECIFICATIONS

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



Figure 3.1: Product Dimensions and Features

This image provides a visual representation of the water heater's dimensions and highlights key features like the LED smart digital display and the sturdy bottom inlet/outlet connections.

Feature	Specification
Brand	forimo
Model Number	Tankless Water Heater-01
Product Dimensions (W x H)	14.37" x 25.39" (4.72" depth)
Fuel Type	Natural Gas (LNG)
Maximum Flow Rate	4.21 Gallons Per Minute (16L)
Maximum Temperature	167 Degrees Fahrenheit (75°C)
Wattage / Power Output	19.98 KW / 68000 BTU/hour
Minimum Water Pressure	3.6 PSI
Mounting Type	Wall

Feature	Specification
Color	Black
Item Weight	22.9 pounds
UPC	717012462848

4. SETUP AND INSTALLATION

The forimo tankless water heater is designed for straightforward installation. However, professional installation is recommended to ensure compliance with local codes and safety standards.

4.1 Pre-Installation Checklist

- Verify that you have all necessary components and tools.
- Ensure the installation location provides adequate ventilation and is suitable for a natural gas appliance.
- Confirm that the gas supply and water supply lines are accessible and meet the required specifications.

4.2 Connection Guidelines

- The unit requires standard 1/2" NPT water fittings and a gas inlet connection.
- Install the provided 2.5" (Φ60mm) horizontal vent pipe to ensure proper exhaust of combustion gases to the outdoors.
- Connect the cold water inlet to the designated port and the hot water outlet to the other. If the hot and cold water pipes are reversed, the water heater will not respond when turned on. To identify pipes, turn on your pump and observe where the cold water originates.

EXCELLENT ENERGY EFFICIENCY

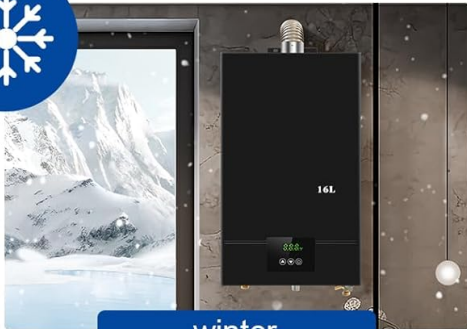
The hot water heater adjusts power input based on flow rate and temp setting in real time



Energy and Money Saving



2 modes summer/winter, saving up to 60% on nature gas costs



winter



Summer

Figure 4.1: Connection Points

This image illustrates the correct connection points for the gas inlet, cold water inlet, and hot water outlet on the bottom of the unit.

WIDE APPLICATION



Figure 4.2: Installation Schematic

This schematic provides a visual guide for connecting the water and gas lines, emphasizing the importance of correct pipe orientation.

5. OPERATING INSTRUCTIONS

Your forimo tankless water heater features an intuitive LED digital display for easy operation.

5.1 Powering On/Off

- Press the power button on the LED display to turn the unit on or off.

5.2 Temperature Adjustment

- Use the 'Temperature Plus' and 'Temperature Minus' buttons on the LED touch screen to adjust the desired water temperature. The temperature can be set between 86°F and 167°F.
- The unit automatically adjusts power input based on flow rate and temperature settings to maintain a steady temperature.

5.3 Seasonal Modes

- The water heater offers two modes, 'Summer' and 'Winter', which can be selected to optimize energy consumption based on ambient temperature, potentially saving up to 60% on natural gas costs.

LED DISPLAY

Trendy design with unique black glassy front pane

LED touch screen

Easy to control the water temperature



Can adjust different temperature



Water Control Center

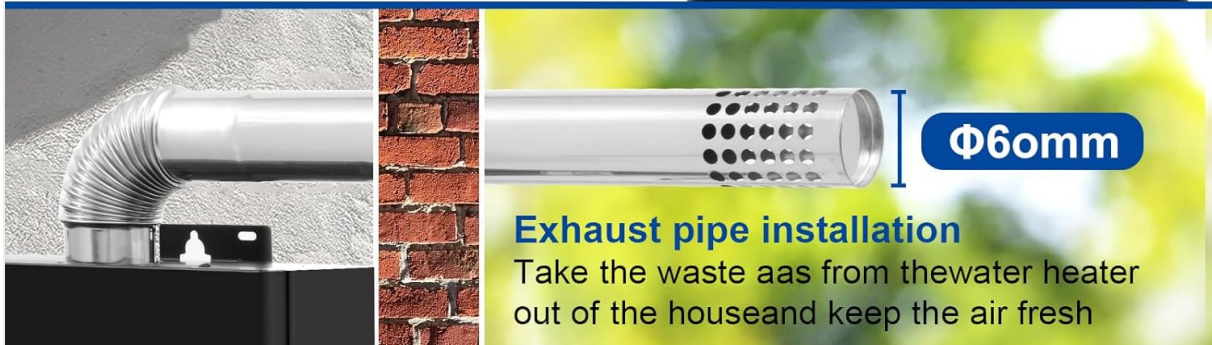
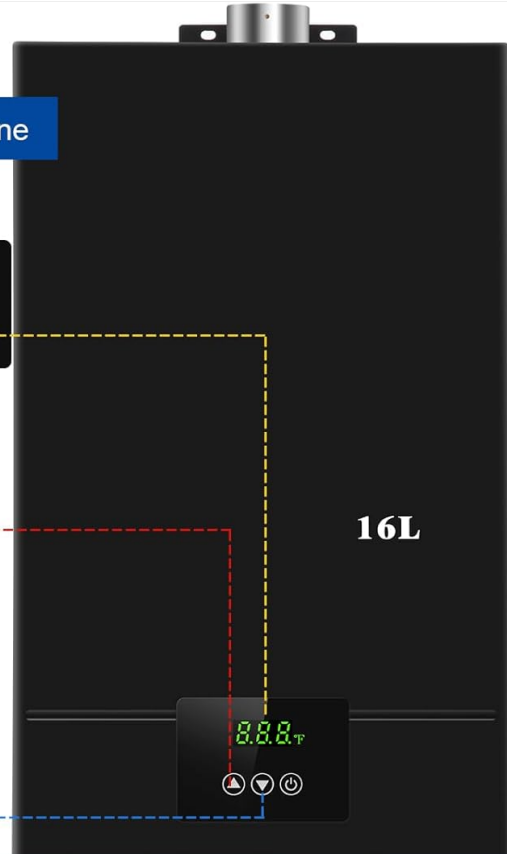


Figure 5.1: LED Display Controls

This image details the LED display, showing the temperature readout, and the 'Temperature Plus' and 'Temperature Minus' buttons for adjusting the water temperature.

6. MAINTENANCE

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

6.1 Cold Weather Precautions

- In cold weather, if the water heater is not used for an extended period, it is necessary to open the pressure relief valve to drain any residual water from the unit. This prevents freezing and potential damage to internal components.

6.2 General Cleaning

- Periodically wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure the exhaust vent is clear of obstructions.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your tankless water heater.

Problem	Possible Cause	Solution
No hot water / Unit not turning on	No gas supply, low water pressure, power issue, reversed water pipes.	Check gas valve, ensure minimum 3.6 PSI water pressure, verify power connection, confirm correct hot/cold water pipe connections.
Error message E5	Solenoid valve malfunction.	This indicates an internal component issue. Contact customer support for assistance.
Water not heating sufficiently	Incorrect temperature setting, low gas pressure, excessive flow rate.	Adjust temperature setting, ensure adequate gas supply, reduce water flow if necessary.
Water leakage	Loose connections, damaged internal component (e.g., cracked pipe).	Inspect all connections for tightness. If an internal component is damaged, discontinue use and contact customer support.
Unit stops working automatically	Sensor malfunction, safety shutdown activated.	Check for error codes on the display. If persistent, contact customer support.

For issues not listed or if troubleshooting steps do not resolve the problem, please contact forimo customer support.

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or contact forimo directly. Details regarding warranty periods and service procedures are typically provided by the seller or manufacturer.

When contacting support, please have your model number (Tankless Water Heater-01) and purchase date available.