

CO-Z WHW-NP

CO-Z LPG 12L Instant Gas Water Heater User Manual

Model: WHW-NP

1. INTRODUCTION

This manual provides essential information for the safe installation, operation, and maintenance of your CO-Z LPG 12L Instant Gas Water Heater, model WHW-NP. Please read these instructions thoroughly before installation and use to ensure proper function and to prevent injury or damage.

2. SAFETY INFORMATION

Your safety and the safety of others are paramount. Always follow basic safety precautions when using this appliance.

- **Ventilation:** This propane water heater must be used in well-ventilated conditions. Ensure the flue kit is in good condition and proper ventilation is maintained to prevent carbon monoxide accumulation. Do not install in confined areas with low ventilation, such as bathrooms, without adequate exhaust systems.
- **Automatic Ignition:** The unit features an automatic ignition system.
- **Flame Failure Protection:** Equipped with a flame failure safety device to automatically shut off gas supply if the flame extinguishes.
- **Incomplete Combustion Safety:** Includes a safety device against incomplete combustion.
- **Over-Temperature Protection:** Features a device for protection against water over-temperature.
- **Anti-Freeze Function:** Designed with an anti-freeze protection function.
- **Pressure Relief Valve:** Incorporates a pressure discharge and relief valve.
- **Battery:** The automatic ignition system requires an IC battery (not included).
- **Professional Installation:** Installation should be performed by a qualified professional in accordance with local codes and regulations.

3. PRODUCT OVERVIEW

The CO-Z LPG 12L Instant Gas Water Heater is a tankless unit designed for efficient hot water supply. It features a stainless steel casing and advanced energy-saving combustion technology.



Figure 3.1: Front view of the CO-Z 12L LPG Instant Gas Water Heater, showing the control panel and energy efficiency label.

Key Features:

- Tankless design for instant hot water.
- Stainless steel casing for durability.
- Advanced energy-saving combustion technology to reduce gas consumption and combustion noise.
- LED display for real-time temperature.
- Adjustable water temperature.
- Summer and Winter modes for optimized performance.
- Multiple safety features including flame failure, incomplete combustion, over-temperature, and anti-freeze protection.

- 20-minute built-in timer.



Figure 3.2: Product features including summer/winter mode, adjustable temperature, stainless steel casing, and LED display.

4. SPECIFICATIONS

Feature	Value
Model Number	WHW-NP
Capacity	12 Liters
Gas Type	LPG (Liquefied Petroleum Gas)
Thermal Output Power	24 kW (20.4 KW)
Gas Consumption	1.5 kg/h

Feature	Value
Gas Pressure (LPG)	28 mbar
Hot Water Output	12 L/min
Suitable Water Pressure	0.015 - 0.8 MPa (0.15 - 8 bar)
Water Connection	G1/2" tube (1.27 cm)
Gas Connection	9.5 mm gas hose
Temperature Rise	25 °C
Maximum Temperature	72 °C
Material	Stainless Steel
Color	Silver
Item Weight	6 Kilograms
Product Dimensions (L x W x H)	35 x 35 x 59 cm
Installation Type	Wall-mounted
Energy Efficiency Class	A
Voltage (for ignition)	220 Volts



Figure 4.1: Product dimensions diagram.

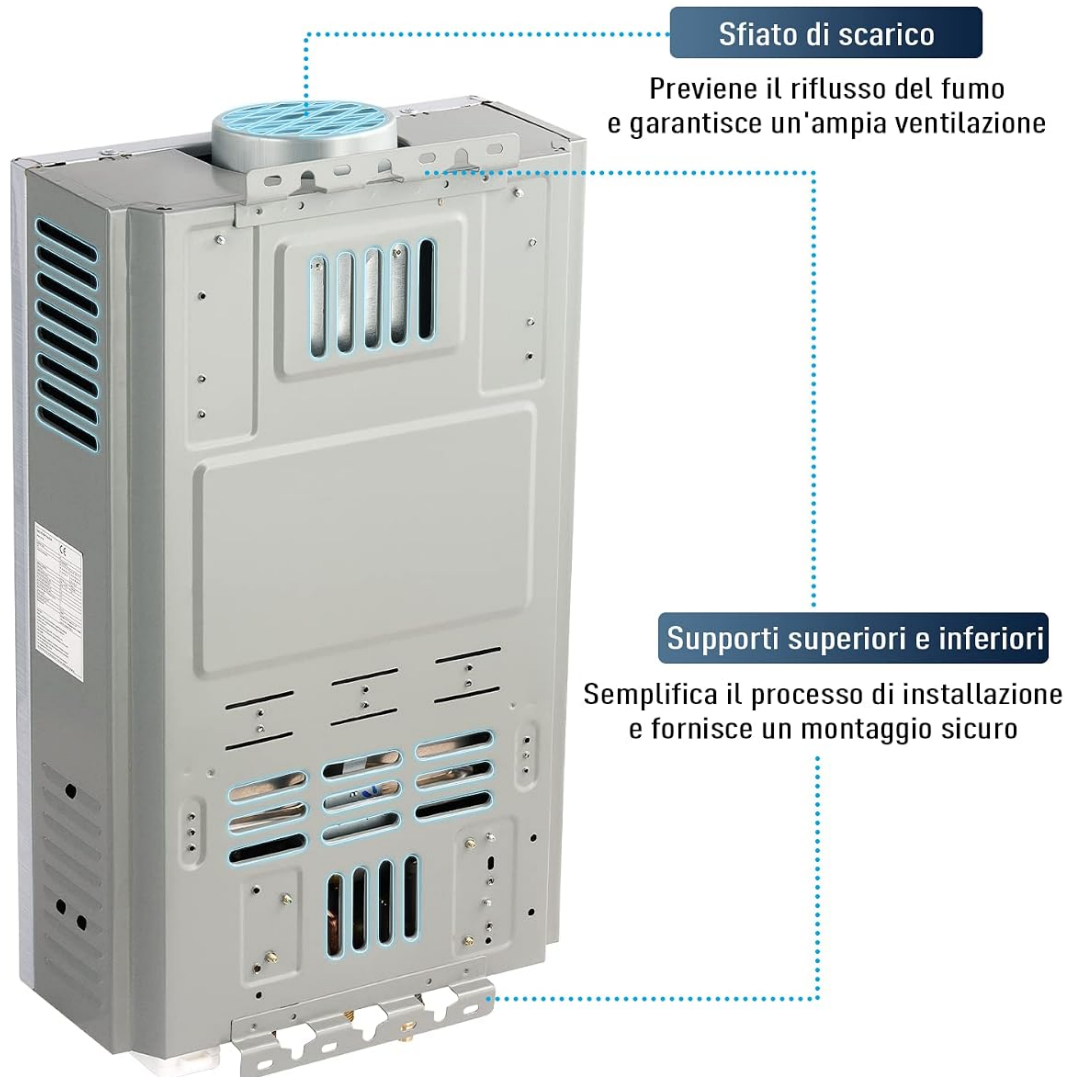
5. SETUP AND INSTALLATION

Proper installation is crucial for safe and efficient operation. It is highly recommended that installation be performed by a certified professional.

5.1. Mounting

The unit is designed for wall-mounting. Use the provided upper and lower supports to secure the heater firmly to a suitable wall in a well-ventilated area. Ensure there is adequate space around the unit for maintenance and proper airflow.

FUNZIONAMENTO FACILE E SICURO



Importante: per motivi di sicurezza, installare sempre il riscaldatore in aree e spazi ben ventilati.

Figure 5.1: Rear view showing the exhaust vent and mounting points. Always install in well-ventilated areas.

5.2. Connections

Refer to Figure 5.2 for connection points. Ensure all connections are tight and leak-free.

- **Gas Inlet:** Connect the 9.5 mm gas hose to the gas inlet.
- **Water Intake:** Connect the G1/2" (1.27 cm) water tube to the water intake.
- **Water Outlet:** Connect the hot water line to the water outlet.
- **Battery Compartment:** Install the required IC battery (not included) for automatic ignition.
- **Exhaust Vent:** Ensure the exhaust vent is properly installed and clear to prevent fume reflux and ensure ample ventilation.

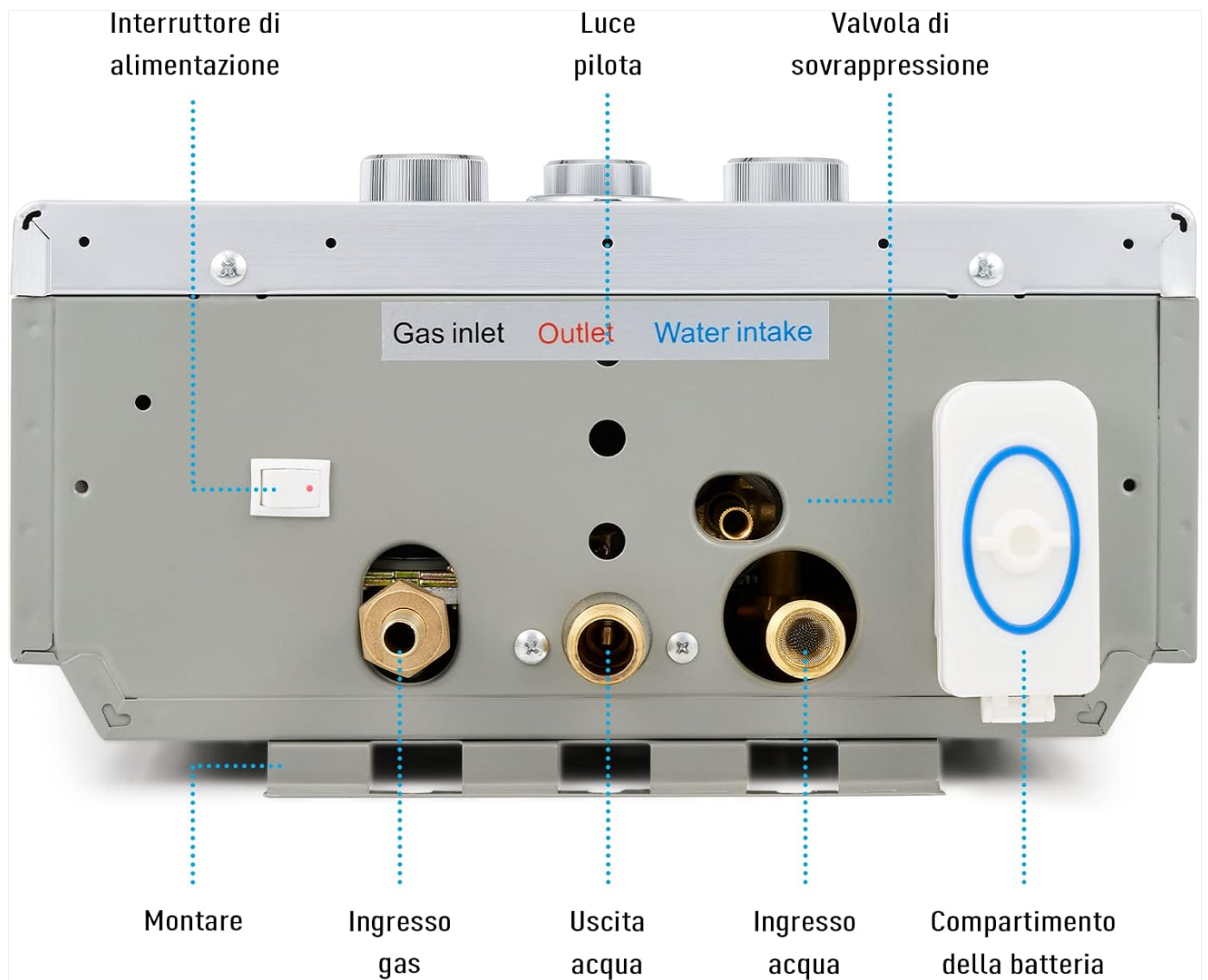


Figure 5.2: Bottom connections including gas inlet, water intake, water outlet, and battery compartment.

6. OPERATING INSTRUCTIONS

This section details how to operate your CO-Z instant gas water heater.

6.1. Control Panel

The control panel allows you to adjust gas and water flow to achieve your desired water temperature. The LED display shows the current water temperature.

CONTROLLI INTUITIVI

Imposta il flusso di gas e
acqua desiderato in un lampo



Figure 6.1: Intuitive controls for gas and water flow, with winter/summer mode and LED display.

- **Gas Regulator:** Adjusts the gas flow (Min to Max) to control heating intensity.
- **Water Regulator:** Adjusts the water flow (Min to Max). Lower flow generally results in hotter water.
- **Winter/Summer Mode Selector:** Optimizes gas consumption based on ambient temperature. Select 'Winter' for colder conditions and 'Summer' for warmer conditions.
- **LED Display:** Shows the real-time water temperature.

6.2. Starting the Unit

1. Ensure the gas supply is open and the water supply is connected and turned on.
2. Verify that the IC battery is correctly installed in the battery compartment.
3. Turn on the power switch (refer to Figure 5.2).
4. Open a hot water tap. The unit will automatically ignite, and hot water will begin to flow.
5. Adjust the Gas Regulator and Water Regulator to achieve your desired water temperature.

6. Select 'Winter' or 'Summer' mode as appropriate for the season.

6.3. Shutting Down

To turn off the unit, simply close all hot water taps. The unit will automatically cease operation. For extended periods of non-use, it is recommended to close the main gas supply valve and turn off the power switch.

7. MAINTENANCE

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

- **Cleaning:** Periodically wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Ventilation System:** Regularly inspect the exhaust vent and flue for any obstructions or damage. Ensure proper ventilation is maintained at all times.
- **Gas and Water Connections:** Periodically check all gas and water connections for leaks. Use a soapy water solution on gas connections to detect bubbles indicating a leak.
- **Battery Replacement:** Replace the IC battery when the automatic ignition becomes weak or fails.
- **Professional Inspection:** It is recommended to have the unit inspected by a qualified technician annually to ensure optimal performance and safety.
- **Anti-Freeze Protection:** In freezing conditions, ensure the anti-freeze function is active or take appropriate measures to drain the unit to prevent damage.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No hot water / Unit does not ignite	◦ No gas supply ◦ Low water pressure ◦ Dead battery for ignition ◦ Hot water tap not fully open ◦ Flame failure safety activated	◦ Check gas cylinder/supply. ◦ Ensure adequate water pressure (0.015 - 0.8 MPa). ◦ Replace IC battery. ◦ Open hot water tap fully. ◦ Ensure proper ventilation and restart.
Water not hot enough	◦ Gas regulator set too low ◦ Water flow regulator set too high ◦ Incorrect season mode (e.g., Summer mode in Winter)	◦ Increase gas flow. ◦ Decrease water flow. ◦ Select 'Winter' mode for colder conditions.
Unit shuts off unexpectedly	◦ Over-temperature protection activated ◦ Lack of ventilation / flue obstruction ◦ 20-minute timer activated	◦ Check water flow and temperature settings. ◦ Inspect flue and ensure proper ventilation. ◦ Unit will restart after a short cool-down period or after the timer resets.

If problems persist after attempting these solutions, contact a qualified service technician.

9. WARRANTY AND SUPPORT

Information regarding product warranty is typically provided at the point of purchase or within the product packaging. For support, please refer to the contact information provided by your retailer or the manufacturer's official website. CO-Z aims to make your life easier by providing quality products. For further assistance, please reach out to customer service.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question