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Riello Riello Mini

Riello Mini LN Low NOx 13 Liter LPG Gas Water Heater User Manual

MODEL: RIELLO MINI

Brand: Riello

Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Riello Mini LN Low NOx 13 Liter LPG Gas Water Heater. Please read this manual thoroughly before installation and use, and keep it for future reference.

Important Safety Instructions

- **Professional Installation Required:** Installation, adjustment, alteration, service, or maintenance must be performed by a qualified installer or service agency. Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death.
- **Gas Safety:** This appliance uses LPG (Liquefied Petroleum Gas). Ensure all gas connections are secure and leak-free. Never attempt to modify the gas supply system yourself.
- **Ventilation:** Proper ventilation is crucial for gas appliances. Ensure the flue system is correctly installed to expel toxic fumes.
- **Electrical Safety:** This model does not require an electrical connection for operation, relying on batteries for ignition. However, ensure any surrounding electrical installations comply with local regulations.
- **Water Pressure:** Ensure water pressure is within the specified limits for optimal performance and safety.

Product Overview

The Riello Mini LN Low NOx gas water heater is designed for efficient domestic hot water production. Key features include:

- Low NOx emissions (<56 mg/kWh) for environmental compliance.
- New electronic interface with backlit display and four control buttons for easy adjustments.

- Wide flame modulation for stable hot water temperature, even with minimal water draw.
- Battery-powered ignition (2 D-cell batteries, not included).

Main Components:



Image: Front view of the Riello Mini LN Low NOx 13 Liter LPG Gas Water Heater, showing the control panel and compact design.

The unit features two control knobs on the front panel for adjusting gas flow and water temperature, along with a digital display.

Setup and Installation

Note: Installation must be performed by a certified professional to ensure safety and compliance with all local regulations.

1. **Unboxing and Inspection:** Carefully remove the water heater from its packaging. Inspect for any damage during transit. Keep all packaging materials until installation is complete.
2. **Mounting the Unit:** Securely mount the water heater to a suitable wall using appropriate fasteners. Ensure the mounting location allows for proper ventilation and access for maintenance.

Your browser does not support the video tag.

Video: Installation process of a similar gas water heater, demonstrating wall mounting and initial connections. This video is provided by a seller for illustrative purposes and may not feature the exact Riello model.

3. **Gas Connection:** Connect the LPG gas supply to the water heater's gas inlet. Use appropriate fittings and ensure all connections are sealed and tested for leaks.
4. **Water Connections:** Connect the cold water inlet and hot water outlet pipes. Ensure proper sealing and check for leaks after connection.

Your browser does not support the video tag.

Video: Detailed view of water and gas connections for a gas water heater, showing how to properly secure pipes and fittings. This video is provided by a seller for illustrative purposes and may not feature the exact Riello model.

5. **Flue System Installation:** Install the flue kit to safely vent exhaust gases outdoors. Ensure the flue is correctly sized, installed, and sealed according to manufacturer instructions and local building codes.
6. **Battery Installation:** Open the battery compartment (typically located on the side or bottom) and insert two D-cell batteries, observing correct polarity.

Operating Instructions

1. **Turning On:** Ensure the gas supply is open and batteries are installed. The unit should display the current water temperature or a standby indicator.
2. **Adjusting Water Temperature:** Use the "WATER" control knob to set the desired hot water temperature. Turning the knob clockwise typically increases the temperature.
3. **Adjusting Gas Flow:** Use the "GAS" control knob to regulate the gas flow, which affects the heating intensity. Adjust this in conjunction with the water temperature for optimal performance and efficiency.
4. **Hot Water Delivery:** Open a hot water tap. The water heater will automatically ignite and begin heating water as it flows through the unit. The display will show the current output temperature.
5. **Turning Off:** To turn off the unit, close the gas supply valve. For extended periods of non-use, it is recommended to also drain the water heater to prevent freezing.

Maintenance and Care

Regular maintenance ensures the longevity and safe operation of your Riello Mini water heater. It is recommended to have the unit inspected and serviced annually by a qualified technician.

- **Cleaning:** Keep the exterior of the unit clean and free from obstructions. Do not use abrasive cleaners.
- **Flue Inspection:** Periodically check the flue system for blockages, corrosion, or damage. Ensure it is securely connected.
- **Gas and Water Connections:** Regularly inspect all gas and water connections for leaks or signs of wear.
- **Battery Replacement:** Replace batteries annually or when the low battery indicator appears on the display.
- **Descaling:** In areas with hard water, periodic descaling may be necessary to maintain efficiency. This should be performed by a qualified technician.

Troubleshooting Common Issues

- **No Hot Water:** Check gas supply, water supply, and battery charge. Ensure control knobs are set correctly.

- **Insufficient Hot Water Temperature:** Adjust the "WATER" and "GAS" control knobs. Ensure adequate water flow.
- **Unit Not Igniting:** Check batteries. Ensure gas supply is open. If issues persist, contact a qualified technician.
- **Error Codes:** Refer to the detailed troubleshooting section in the printed manual for specific error code interpretations and solutions.

Technical Specifications

Feature	Specification
Brand	Riello
Model Number	Riello Mini
Capacity	13 Liters/minute
Power Source	Liquid Propane (LPG)
Efficiency Class	Class A
NOx Emissions	<56 mg/kWh
Mounting Type	Wall Mounted
Batteries Required	Yes (2 D-cell, not included)

Warranty and Customer Support

For warranty information, technical support, or service requests, please refer to the contact details provided in the original product packaging or visit the official Riello website. Keep your proof of purchase for warranty claims.