

## Ranein RH10K-LPG

# Ranein 2025 GEN II Propane Gas Tankless Water Heater

**MODEL: RH10K-LPG**

Your comprehensive guide to installation, operation, and maintenance.

## 1. Product Overview

The Ranein 2025 GEN II Propane Gas Tankless Water Heater (Model RH10K-LPG) provides on-demand hot water for your home. This indoor unit delivers a maximum of 4.3 GPM (Gallons Per Minute) with 100,000 BTU, suitable for supplying 2-3 taps simultaneously. Its compact design and energy-efficient operation offer a modern solution for your hot water needs.



The Ranein 2025 GEN II Propane Gas Tankless Water Heater, a compact gray unit with an LED display, shown alongside its included vent pipe.

## 2. Key Features

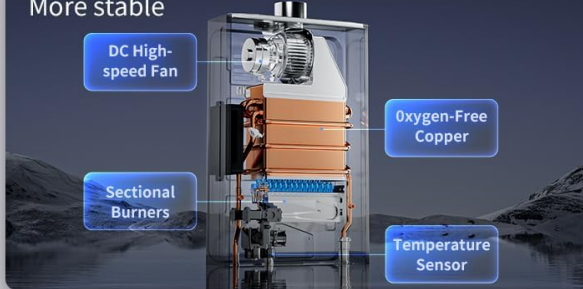
- **Endless Hot Water:** Provides up to 4.3 GPM, ensuring continuous hot water for 2-3 simultaneous uses (e.g., shower, kitchen, bar).
- **Steady Temperature:** Advanced technology maintains a stable water temperature by automatically adjusting flow and heat, preventing sudden temperature changes.
- **Multiple Smart Modes:** Features include a 4-Season mode (auto-adapts to inlet temperature), Kitchen mode (adjustable 100°F), and Bathtub mode (50-800L with full-water beep).
- **Energy-Saving:** Heats water on demand, reducing standby energy waste compared to traditional tank heaters, leading to lower utility costs.
- **Space-Saving Design:** Compact, wall-mounted unit ideal for apartments, small homes, or renovations, freeing up floor space.
- **Included Components:** Comes with an exhaust pipe, eliminating the need for additional purchases.
- **Durable Construction:** Features an oxygen-free copper tank for reduced heat loss and standard 1/2" NPT water and gas ports for easy connection.

- **Advanced Protection:** Incorporates 2+8 product protection, including flame out, overheating, dry burning, over temperature, timeout, pipe blockage, high temperature lock, and excessive air pressure protection.

# Our Advantages

## HeatMaster 2.0

More stable



## Whole House Use



## Precision Control

More thermostatic



## Oxygen-Free Copper

More efficient



## Sectional Burners

More savings



## DC High-speed Fan

More safely



Visual representation of the Ranein water heater's advantages, including HeatMaster 2.0, whole-house use, precision control, oxygen-free copper, sectional burners, and DC high-speed fan.



Diagram detailing the 2025 GEN II Performance Upgrade, highlighting MicroPrecision Engineering 2.0, HydroArmor Copper Core 2.0, Sentinel AI Safety Guard 2.0, FortiCore Steel Protection 2.0, and HyperIgnite Burner System 2.0.

### 3. Setup and Installation

**Professional Installation Required:** This appliance must be installed by licensed professionals in accordance with all local codes and regulations. Improper installation can lead to serious injury or property damage.

**Included Components:**

- Tankless Water Heater Unit (Model RH10K-LPG)
- Vent Pipe
- Assembly Kit
- User's Manual

**Elevation Note:** This unit is not recommended for areas over 2,000 feet elevation. Consult a professional for installations at higher altitudes.



# Compact Size Powerful Performance

## Power

100,000 BTU

## Flow

2.2- 5.0 GPM

## Supply

110- 120 Volts (AC)

## Minimum water flow

0.75 GPM

## Water Pressure Range

3.6-116 PSI



Image showing the compact dimensions of the Ranein water heater (13"W x 20.5"H x 7"D) and the locations of the hot water outlet, cold water inlet, and gas inlet, all with NPT 1/2" connections.

## 4. Operating Instructions

The Ranein tankless water heater features an intuitive LED display and temperature control panel for easy operation.

### 4.1. LED Temperature Control Panel

The front panel includes a digital LED display showing the current water temperature and operational status. Use the up and down arrows to adjust the desired temperature. The display also provides information on gas and water consumption.

# LED Display Temperature Control Panel



A close-up view of the Ranein water heater's LED display and touch-sensitive control panel, showing temperature settings and operational icons.

## 4.2. Smart Modes

Select from various smart modes to optimize performance for different needs:

- **4-Season Mode:** Automatically adapts to the incoming water temperature, providing consistent hot water year-round.
- **Kitchen Mode:** Delivers water at a preset 100°F, ideal for kitchen tasks. This temperature can be adjusted.
- **Bathtub Mode:** Allows for filling bathtubs with a specified volume (50-800L) and includes a full-water beep notification.

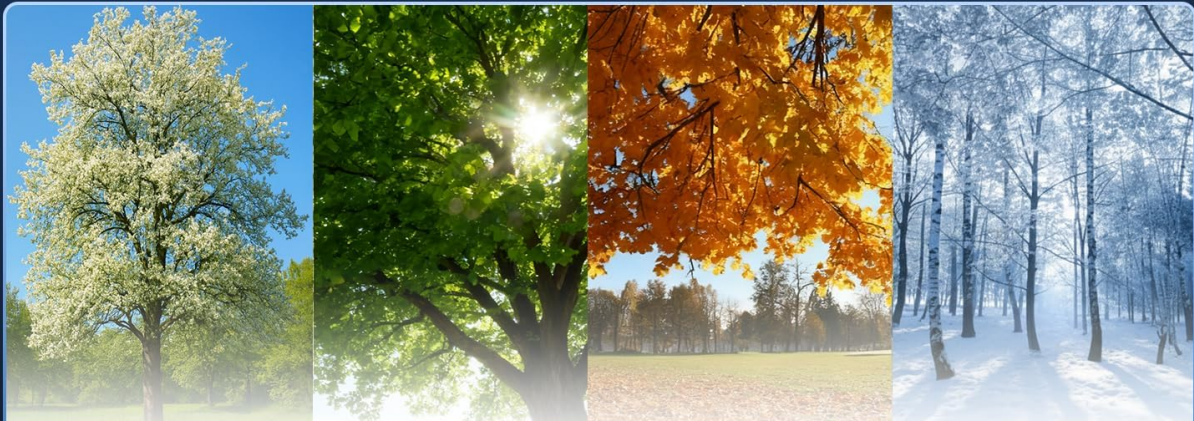
# Smart Mode



**Bathtub Mode**



**Kitchen Mode**



**4-Seasons Mode**

Illustrations of the Ranein water heater's smart modes: Bathtub Mode, Kitchen Mode, and 4-Seasons Mode, designed for various household hot water demands.

## 5. Maintenance

---

Regular maintenance ensures optimal performance and longevity of your tankless water heater. For detailed maintenance procedures, including flushing and checking connections, please refer to the comprehensive user manual included with your product.

## 6. Troubleshooting

---

If you encounter any issues with your Ranein tankless water heater, consult the troubleshooting section in the full user manual. Common issues often relate to power supply, gas supply, or water flow. For persistent problems, contact customer support.

## 7. Specifications

---

Specification	Value
Brand	Ranein
Model Number	RH10K-LPG
Product Dimensions	18.9"W x 8.8"H
Special Feature	LED Display
Color	Gray
Voltage	120 Volts (AC)
Maximum Temperature	149 Degrees Fahrenheit
Efficiency	Energy-efficient
Style	Propane
Mounting Type	Wall
Item Weight	26.1 pounds
Included Components	Assembly Kit x1, Tankless Water Heater x1, User's Manual x1, Vent Pipe x1

## 8. Safety Information

Your Ranein tankless water heater is designed with multiple safety features to ensure reliable operation. These include:

- Flame out protection
- Overheating protection
- Dry burning protection
- Over temperature protection
- Timeout protection
- Pipe blockage protection
- High temperature lock protection
- Excessive air pressure protection

Always ensure proper ventilation and follow all installation guidelines to prevent hazards. Never attempt to repair the unit yourself if you are not a qualified professional.





Visual representation of the 2+8 product protection features, highlighting various safety mechanisms integrated into the water heater.

## 9. Warranty and Support

Ranein offers a **2-year warranty** against manufacturing defects for this product. For comprehensive product problem-solving services, technical assistance, or any inquiries, please contact our support team:

- **Email:** [service@ranein.net](mailto:service@ranein.net)
- **US Phone:** (424)-452-2630



Image displaying Ranein's service support contact details, including email and US phone number, along with information on comprehensive problem-solving and warranty.

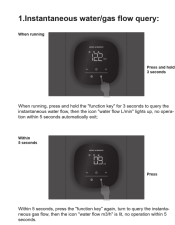
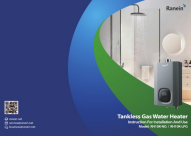


© 2025 Ranein. All rights reserved.

## Related Documents - RH10K-LPG



### [Ranein 12L Propane Tankless Water Heater Installation Manual](#)

Installation manual for the Ranein 12L propane gas tankless water heater, providing up to 3.18 GPM and 68,000 BTU for on-demand hot water.

 <p>1. Instantaneous water/gas flow query:</p> <p>When running, press and hold the "Tankless" key for 2 seconds to query the instantaneous water flow. The LCD screen will display "Water Flow" and the water flow will be automatically reset.</p> <p>When it is running, press the "Tankless" key again for 2 seconds to query the instantaneous gas flow. The LCD screen will display "Gas Flow" and the gas flow will be automatically reset.</p>	<p><a href="#">RANEIN Tankless Water Heater User Guide</a></p> <p>This guide provides instructions for operating the RANEIN Natural Gas Tankless Water Heater, covering features like instantaneous flow query, cumulative flow query, four seasons temperature function, kitchen function, bathtub function, and high-temperature lock function.</p>
	<p><a href="#">Ranein Residential Indoor Tankless Gas Water Heater Installation and Use Manual</a></p> <p>This manual provides comprehensive instructions for the installation, operation, and maintenance of the Ranein Residential Indoor Tankless Gas Water Heater, models RH10K-NG and RH10K-LPG. It includes detailed safety warnings, operating procedures, troubleshooting tips, and warranty information to ensure safe and efficient use.</p>
	<p><a href="#">Ranein Tankless Gas Water Heater Installation and Use Manual</a></p> <p>Comprehensive guide for the installation and use of Ranein Tankless Gas Water Heaters, models RH10K-NG and RH10K-LPG. Includes safety warnings, operating instructions, maintenance procedures, and troubleshooting tips.</p>
	<p><a href="#">Ranein RA65L RV Tankless Water Heater: Installation, Operation, and Safety Manual</a></p> <p>Comprehensive guide for the Ranein RA65L RV Tankless Water Heater, covering installation, operation, safety precautions, maintenance, and troubleshooting. Essential information for RV owners.</p>
	<p><a href="#">Ranein RO4K-Y Portable Tankless Gas Water Heater: Installation and Use Manual</a></p> <p>Comprehensive guide for the Ranein RO4K-Y portable tankless gas water heater, covering installation, operation, safety precautions, troubleshooting, and warranty information. Learn how to safely and effectively use your Ranein water heater for outdoor and recreational purposes.</p>