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› Marey GA10FNG Tankless Water Heater Instruction Manual

## MAREY GA10FNG

# Marey GA10FNG Tankless Water Heater Instruction Manual

Model: GA10FNG | Brand: MAREY

## INTRODUCTION

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This manual provides detailed instructions for the safe and efficient operation, installation, and maintenance of your Marey GA10FNG 2.64 GPM Natural Gas Tankless Water Heater. Please read all instructions carefully before installation and use to ensure proper function and safety.

The Marey GA10FNG is a compact, flow-activated natural gas tankless water heater designed to provide hot water on demand. It features a 68,240 BTU heating capacity and a flow rate of 2.64 GPM, making it suitable for various applications including small homes, cabins, and off-grid setups. The unit operates without an electrical connection for ignition, utilizing two D batteries instead.

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**Video:** An overview of the Marey Flow Series tankless water heaters, highlighting key features and benefits of the design and technology.

## KEY FEATURES

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- **Compact Design:** Ideal for small spaces, offering efficient hot water supply without a large footprint.
- **Off-Grid Capability:** Pulse ignition requires no electrical connection, operating on two D batteries.
- **Flow Activation:** Activates with low water pressure, providing 2.64 GPM output.
- **Temperature Control:** Features a summer/winter switch and adjustable manual temperature control for year-round customization.
- **Enhanced Safety:** Equipped with twin solenoid valves for water and gas connections, and multiple safety sensors including auto cut-off, automatic ignition, anti-dry combustion, over-pressure, overheating, and flameout protection.
- **Energy Efficiency:** Oxygen-free heat exchanger improves heat conductivity and reduces gas consumption in warmer months.
- **Debris Protection Grid:** Integrated grid for increased unit longevity by preventing debris entry.

# SPECIFICATIONS



GA10F LP/NG



**Image:** Visual representation of the water heater's key features, including compact design, no electricity requirement, flow activation, flame out protection, and oxygen-free heat exchanger.

## SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your tankless water heater. It is recommended that installation be performed by a qualified professional.

### Location Requirements

- The unit is designed for wall mounting. Ensure the mounting surface is sturdy and capable of supporting the unit's weight (approximately 10.14 pounds).
- Install in a well-ventilated area.
- The unit is not recommended for elevations above 2,000 feet.
- Ensure adequate clearance around the unit for maintenance and proper ventilation.

### Connections

- **Gas Connection:** The unit operates on Natural Gas (NG). The gas connection size is 1.5-inch NPT. Ensure all gas connections are sealed properly and checked for leaks.
- **Water Connection:** The water connection is located at the bottom of the unit, with a size of 1.5-inch NPT. Connect the cold water inlet and hot water outlet according to the markings on the unit.
- **Ventilation:** A 4-inch diameter vent is required for proper exhaust. Ensure the vent pipe is installed correctly and extends to the outside.

## Battery Installation

- The unit requires two D batteries for pulse ignition. Locate the battery compartment, typically on the bottom or side of the unit.
- Insert the batteries, ensuring correct polarity.



**Image:** Front view of the Marey GA10FNG water heater, showing its compact design and control knobs.



**Image:** Back view of the Marey GA10FNG water heater, illustrating the mounting brackets and connection points for gas, water, and exhaust.

## OPERATING INSTRUCTIONS

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### Initial Startup

1. Ensure gas and water supplies are connected and turned on.
2. Verify that the two D batteries are correctly installed for ignition.
3. Open a hot water faucet. The unit will automatically activate and begin heating water.

### Temperature Control

- **Water Flow Knob:** Adjusts the water flow rate. Higher flow rates may result in slightly lower outlet temperatures, while lower flow rates allow for higher temperatures.
- **Gas Flow Knob:** Controls the gas supply to the burner, directly impacting the heating power and water temperature. Turn towards 'Max' for hotter water and 'Min' for cooler water.

- **Summer/Winter Switch:** This switch allows for seasonal adjustment of heating power.
  - **Summer Mode:** Reduces gas consumption, suitable for warmer months when incoming water temperature is higher.
  - **Winter Mode:** Increases gas consumption for colder months when incoming water temperature is lower, requiring more heat to reach desired output temperature.

*Note:* Sufficient water flow (minimum activation rate: 0.66 GPM) is required for the unit to activate and prevent the overheat safety sensor from shutting off the unit.



**Image:** Detailed view of the water heater's control panel, showing the water flow knob, gas flow knob, and the summer/winter switch for temperature adjustment.

## MAINTENANCE

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Regular maintenance ensures the longevity and efficient operation of your Marey tankless water heater. It is recommended to have the unit inspected annually by a qualified technician.

- **Heat Exchanger Cleaning:** Periodically inspect and clean the oxygen-free heat exchanger to maintain optimal heat conductivity and energy efficiency.
- **Debris Protection Grid:** Check the debris protection grid regularly for any accumulated leaves or other foreign objects and clean as necessary to ensure proper airflow and prevent damage.
- **Battery Replacement:** Replace the D batteries when the ignition becomes inconsistent or fails to ignite.
- **Ventilation System:** Ensure the vent pipe is clear of obstructions and properly sealed.
- **Water Quality:** In areas with hard water, consider installing a water softener or descaling the unit periodically to prevent mineral buildup.

## TROUBLESHOOTING

This section provides solutions to common issues you might encounter. For complex problems, contact a qualified technician or Marey customer support.

Problem	Possible Cause	Solution
No hot water / Unit not igniting	Low water pressure/flow Dead batteries Gas supply off Overheat safety sensor activated	Ensure minimum flow rate (0.66 GPM) is met. Replace D batteries. Check gas valve and supply. Ensure sufficient water flow; unit may reset after cooling.
Water not hot enough	Gas flow knob set too low Summer mode selected in cold weather High water flow rate	Turn gas flow knob towards 'Max'. Switch to Winter mode. Reduce water flow rate at the faucet or using the water flow knob.
Unit cycles on and off rapidly	Insufficient water flow Overheat protection engaging	Increase water flow to meet minimum activation rate. Check for blockages in water lines or unit.

## SPECIFICATIONS

Feature	Detail
Model Number	GA10FNG
Brand	MAREY
Fuel Type	Natural Gas (NG)
BTU Rating	68,240 BTUs
Maximum Flow Rate	2.64 Gallons Per Minute (GPM)
Minimum Activation Rate	0.66 GPM
Pressure Rating	0.406 PSI
Gas/Water Connection Size	1.5-inch NPT
Water Connection Location	Bottom
Vent Diameter	4 inches
Dimensions (W x H x D)	11.42 x 17.01 x 4.65 inches
Weight	10.14 pounds
Ignition	Pulse ignition (2 x D batteries, not included)
Mounting Type	Wall
Special Features	Overheat Protection, Oxygen Free Heat Exchanger, Twin Solenoid Valves

# GA10F LP/NG

10L Gas water heater



RV's



Tiny House



Food Truck



Coffee Shop



Breakroom /  
Cafeteria



Compact  
Kitchen



**Image:** Dimensional drawing of the Marey GA10FNG water heater, indicating its width and height for installation planning.

## WARRANTY AND SUPPORT

The Marey GA10FNG Tankless Water Heater comes with a **5-year limited warranty**. For warranty claims, technical support, or service inquiries, please contact Marey customer service. Keep your proof of purchase for warranty validation.

For further assistance, refer to the official Marey website or contact their support channels.