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MAREY GA10FLP

MAREY GA10FLP Propane Tankless Water Heater User Manual

MODEL: GA10FLP

Brand: MAREY

1. Introduction and Overview

This manual provides essential information for the safe and efficient operation of your MAREY GA10FLP 2.64 GPM Propane Flow Activated Tankless Water Heater. This eco-friendly unit is designed to provide hot water on demand, saving energy by heating water only when needed. It is powered by liquid propane gas and features a flow-activated ignition system.

The GA10FLP model is ideal for indoor use in various settings such as apartments, cabins, and tiny homes. It incorporates multiple safety features to ensure reliable performance.

2. Product Features

- **Flow Activated:** The heater activates automatically when water flow is detected, providing hot water on demand.
- **Compact Design:** Its sleek and compact form factor allows for space-saving installation.
- **Battery Powered Ignition:** The unit starts with pulse ignition powered by two D batteries (not included), eliminating the need for electrical cords.
- **Oxygen-Free Copper Heat Exchanger:** Designed for increased energy efficiency and durability.
- **Twin Solenoid Valves:** Enhances safety by providing redundant gas shut-off mechanisms.
- **Debris Protection Grid:** Located at the exhaust, this grid helps increase the unit's lifespan by preventing debris entry.
- **Multiple Safety Sensors:** Includes auto cut-off, automatic ignition, anti-dry combustion, over-pressure, overheating, and flameout protection.
- **Temperature Control:** Features a convenient summer/winter switch for seasonal temperature adjustments.



Figure 2.1: Front view of the MAREY GA10FLP Tankless Water Heater, showing the control knobs and Marey logo.



Figure 2.2: Side view of the MAREY GA10FLP Tankless Water Heater, highlighting its slim profile.



Figure 2.3: Back view of the MAREY GA10FLP Tankless Water Heater, showing mounting points and connections.



Figure 2.4: Close-up of the control panel, featuring the Winter/Summer temperature switch and Min/Max gas flow knob.



Figure 2.5: Example installation of the MAREY GA10FLP in a laundry room, demonstrating its compact size.

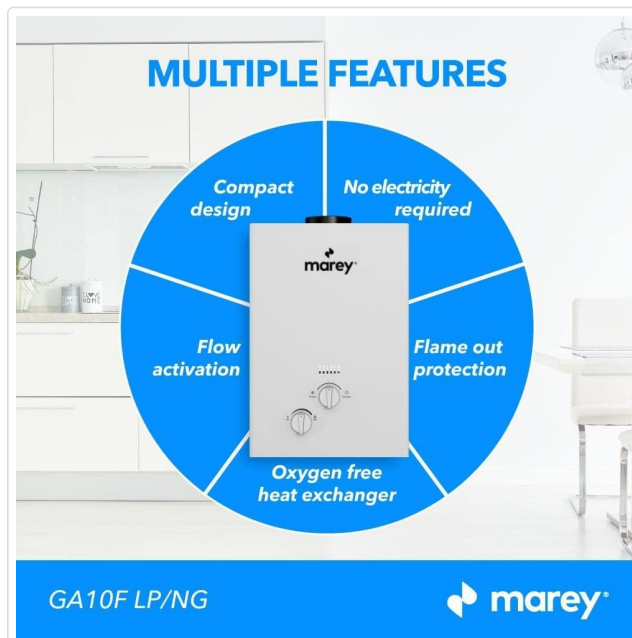


Figure 2.6: Visual summary of key features including compact design, no electricity required, flame out protection, oxygen-free heat exchanger, and flow activation.



Figure 2.7: Illustrates suitable applications such as RVs, tiny houses, food trucks, coffee shops, breakrooms/cafeterias, and compact kitchens.

Product Overview Video

Your browser does not support the video tag.

Video 2.1: An official overview of the Marey Flow Series, demonstrating its flow-activated operation, sleek design, oxygen-free heat exchanger, twin solenoid valves for safety, and debris protection grid. This video provides a visual explanation of the product's core functionalities and benefits.

3. Setup and Installation

Installation of the MAREY GA10FLP water heater should be performed by a qualified professional in accordance with all local and national plumbing and gas codes. Improper installation can lead to hazards and void the warranty.

3.1 Mounting

The unit is designed for wall mounting. Ensure the mounting surface is capable of supporting the unit's weight (approximately 22.05 pounds) when filled with water. Maintain adequate clearance around the unit for ventilation and servicing.

3.2 Gas Connection

Connect the liquid propane (LP) gas supply to the designated gas inlet. The gas connection size is 1.5-inch NPT. Ensure all gas connections are properly sealed and tested for leaks using a non-corrosive leak detection solution.

3.3 Water Connections

Connect the cold water inlet and hot water outlet. The water connection location is at the bottom of the unit. The minimum activation rate for hot water flow is 0.66 GPM. Install shut-off valves on both the cold water inlet and hot water outlet lines for maintenance purposes.

3.4 Venting

Proper venting is crucial for safety. The vent diameter is 4 inches. Ensure the venting system is installed according to manufacturer instructions and local codes to safely exhaust combustion byproducts.

3.5 Battery Installation

Install two D batteries (not included) into the battery compartment. These batteries power the electronic ignition system.

4. Operating Instructions

Once properly installed and connected, operating your MAREY GA10FLP water heater is straightforward.

4.1 Initial Startup

1. Ensure the gas supply is open and batteries are correctly installed.
2. Open a hot water faucet. The unit will detect water flow and automatically ignite. You should hear a clicking sound followed by the burner igniting.
3. Allow water to run for a few moments until it reaches the desired temperature.

4.2 Temperature and Gas Flow Adjustment

The unit features two control knobs on the front panel:

- **Summer/Winter Switch:** This knob adjusts the heat output based on the season. In warmer months (Summer), less heat is typically required, conserving gas. In colder months (Winter), higher heat output is needed.
- **Min/Max Gas Flow Knob:** This knob controls the gas flow to the burner, allowing for fine-tuning of the water temperature. Turn towards 'Max' for hotter water and 'Min' for cooler water.

Adjust these controls gradually to find your preferred water temperature. Remember that the actual temperature rise depends on the incoming water temperature and flow rate.

5. Maintenance

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

5.1 General Cleaning

Periodically wipe down the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.

5.2 Inspect Connections

Annually inspect all gas and water connections for any signs of leaks or corrosion. Tighten connections as necessary. If a gas leak is suspected, immediately shut off the gas supply and contact a qualified technician.

5.3 Venting System Check

Ensure the venting system is clear of obstructions (e.g., leaves, debris) and that all connections are secure. The debris protection grid should also be checked and cleaned if necessary.

5.4 Battery Replacement

Replace the D batteries annually or when the ignition becomes inconsistent. Low battery power can prevent the unit from igniting.

5.5 Professional Servicing

It is recommended to have the unit inspected and serviced by a qualified technician every 1-2 years to ensure optimal performance and safety.

6. Troubleshooting

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

6.1 No Hot Water

- **Check Gas Supply:** Ensure the LP gas tank is not empty and the gas valve is fully open.
- **Check Water Flow:** Confirm that the water flow rate is above the minimum activation rate (0.66 GPM). Low water pressure can prevent ignition.
- **Check Batteries:** Ensure the D batteries are fresh and correctly installed. Replace if necessary.
- **Ignition Failure:** If you hear clicking but no ignition, there might be an issue with the igniter or gas supply. Contact support.

6.2 Water Not Hot Enough

- **Adjust Controls:** Ensure the Summer/Winter switch is set appropriately for the season and the Min/Max gas flow knob is turned towards 'Max'.
- **Flow Rate:** A very high flow rate can sometimes prevent the water from reaching the desired temperature. Try reducing the flow slightly.
- **Elevation:** The unit is not recommended for elevations above 2,000 feet, which can affect performance.

6.3 Unit Not Igniting

- **Water Flow:** Ensure sufficient water flow.
- **Batteries:** Check and replace batteries.
- **Gas Supply:** Verify gas supply is on.
- **Safety Shut-off:** The unit may have activated a safety shut-off due to overheating or flameout. Turn off the water and gas, wait a few minutes, then try again. If the issue persists, contact support.

7. Specifications



Figure 7.1: Visual representation of the water heater's dimensions (13.6"W x 23.6"H).

Specification	Value
Brand	MAREY
Model Number	GA10FLP
Product Dimensions (W x H x D)	13.58"W x 23.62"H x 6.89"D
Weight	22.05 pounds
Color	White
Fuel Type	Liquid Propane (LP)
Capacity	2.64 GPM (Gallons Per Minute)
BTU's	68,240 BTU's
Power Source	Battery Powered (2 D batteries, not included)
Pressure Rating	0.406 PSI
Minimum Activation Rate	0.66 GPM
Gas/Water Connection Size	1.5-inch NPT
Water Connection Location	Bottom
Vent Diameter	4 inches
Mounting Type	Wall
Recommended Elevation	Not recommended above 2,000 feet

8. Warranty and Support

The MAREY GA10FLP Tankless Water Heater comes with a **5-year manufacturer warranty**. Please retain your proof of purchase for warranty claims.

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact MAREY customer support. Refer to the product packaging or the official MAREY website for the most current contact information.

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