

## MAREY GA5PORT

# Marey GA5PORT Portable Propane Gas Tankless Water Heater User Manual

Model: GA5PORT | Brand: MAREY

## INTRODUCTION

The Marey GA5PORT Portable Propane Gas Tankless Water Heater is designed to provide on-demand hot water for various outdoor applications. Its compact and lightweight design makes it highly portable, ideal for campsites, cabins, RVs, and other remote areas. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your water heater.

Key features include:

- Provides endless hot water on demand.
- No electrical connection required; ignites using 2-D cell batteries.
- Naturally vented outdoors, eliminating the need for additional venting.
- Includes a gas hose with CSA approved regulator for standard liquid propane tanks.
- Compact and lightweight for easy portability.



Figure 1: Marey GA5PORT Portable Propane Gas Tankless Water Heater and included components. This image displays the main unit, a shower head with hose, and a gas regulator with hose, along with various fittings and mounting hardware.

## SAFETY INFORMATION

**WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.**

- **Outdoor Use Only:** This appliance is designed for outdoor use only and must not be installed or used indoors, in a garage, or any enclosed area.
- **Ventilation:** Ensure adequate ventilation around the unit.
- **LP Gas:** Use only Liquid Propane (LP) gas. Do not use natural gas.
- **Gas Leaks:** Check all gas connections for leaks using a soapy water solution before initial use and after any gas cylinder change. Never use a flame to check for leaks.
- **Water Pressure:** A minimum water pressure of 5 PSI is required for the unit to operate.
- **Freezing Temperatures:** Drain the unit completely in freezing temperatures to prevent damage.
- **Children and Pets:** Keep children and pets away from the appliance during operation.

## PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Marey GA5PORT Tankless Water Heater Unit
- Shower Head with Hose
- Gas Hose with CSA Approved Regulator
- Mounting Hardware (screws, wall anchors)
- Water Inlet/Outlet Connectors and Washers

### **GA5PORT** 5L Portable gas water heater



**GA5PORT**  
Dims: 11.4" x 17" x 4.7"  
Weight: 14 lbs.

**SAVES SPACE  
AND IT IS EASY  
TO CARRY ANYWHERE!**



**GAS REGULATOR**  
Dims: 6 ft.  
CSA Approved



**HOSE &  
SHOWER HEAD**



Figure 2: Diagram showing the GA5PORT unit, gas regulator, and hose & shower head.

This image visually confirms the main components included with the Marey GA5PORT: the water heater unit, the 6 ft. CSA approved gas regulator and hose, and the shower head with its hose.

## SETUP AND INSTALLATION

Follow these steps for proper setup and installation:

1. **Choose Location:** Select an outdoor, well-ventilated area away from combustible materials. The unit can be wall-mounted or used freestanding.
2. **Install Batteries:** Open the battery compartment (typically at the bottom right) and insert two **D-cell batteries**. Ensure correct polarity.
3. **Connect Water Inlet:** Connect your cold water supply to the **Water Input** port (usually blue marked) at the bottom of the unit. Use the provided 1/2 inch NPT fittings and ensure a tight, leak-free connection.
4. **Connect Water Output:** Connect the shower hose to the **Water Output** port (usually red marked) at the bottom of the unit.
5. **Connect Gas Supply:** Attach the provided gas hose with regulator to the **Gas Input** port (usually yellow marked) on the unit. Then, connect the regulator to a standard liquid propane (LP) tank. Ensure all gas connections are secure.
6. **Check for Leaks:** Before lighting, apply a soapy water solution to all gas connections. Open the LP tank valve. If bubbles appear, there is a leak. Close the valve, tighten connections, and retest. Do not proceed until all leaks are resolved.



Figure 3: Close-up of the bottom of the Marey GA5PORT, indicating Gas Input, Water Output, and Water Input ports. This image highlights the connection points for gas and water lines on the underside of the water heater, crucial for correct installation.

## OPERATING INSTRUCTIONS

Once the unit is properly installed and checked for leaks:

1. **Open Gas Supply:** Slowly open the valve on your LP gas tank.
2. **Open Water Supply:** Turn on the cold water supply to the unit. Ensure sufficient water pressure

(minimum 5 PSI).

### 3. Adjust Controls:

- **Gas Knob (left):** Controls the gas flow and thus the heat output. Turn clockwise for higher heat, counter-clockwise for lower heat.
- **Water Knob (right):** Controls the water flow. Adjust to achieve desired temperature. Higher flow generally means cooler water, lower flow means hotter water.

4. **Ignition:** The unit will automatically ignite when water flows through it and the gas supply is open. You should hear a clicking sound followed by the burner igniting.

5. **Temperature Adjustment:** Fine-tune the water temperature by adjusting both the gas and water flow knobs. For optimal performance, especially in colder climates, you may need to reduce water flow to achieve higher temperatures.

6. **Shut Down:** To turn off the unit, first close the gas valve on the LP tank, then turn off the water supply.



## ADJUST AS YOU DESIRE

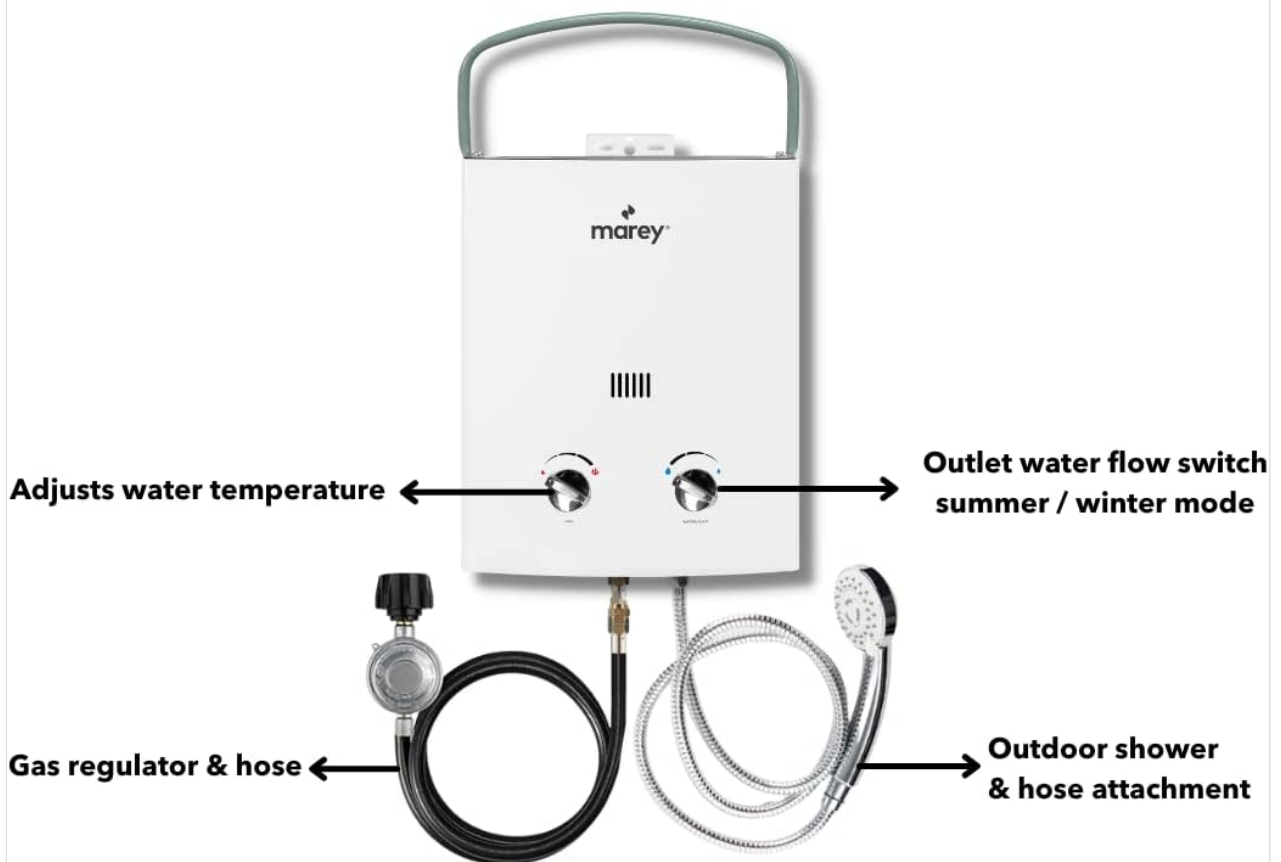


Figure 4: Diagram illustrating the adjustment knobs on the Marey GA5PORT.

This image shows the two main control knobs: one for gas adjustment (temperature) and one for water flow (outlet water flow switch, also indicating summer/winter mode), along with the gas regulator and hose, and the outdoor shower & hose attachment.

## MAINTENANCE

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

- **Draining for Winterization:** If the unit will be exposed to freezing temperatures, it is crucial to completely drain all water from the unit to prevent damage from freezing. Disconnect water lines and open drain valves (if present) or tilt the unit to ensure all water escapes.
- **Cleaning:** Periodically clean the exterior of the unit with a damp cloth. Do not use abrasive cleaners.
- **Inspect Connections:** Regularly check all gas and water connections for signs of wear or leaks.
- **Battery Replacement:** Replace the D-cell batteries when the ignition becomes weak or fails to ignite.

## TROUBLESHOOTING

Refer to the table below for common issues and their solutions:

Problem	Possible Cause	Solution
No hot water / Unit not igniting	No water flow or insufficient water pressure. No gas supply or empty LP tank. Dead or incorrectly installed batteries. Gas knob set too low.	Ensure water supply is on and pressure is at least 5 PSI. Check LP tank valve is open and tank has gas. Replace D-cell batteries; check polarity. Increase gas knob setting.
Water not hot enough	Water flow too high. Gas knob set too low. Inlet water temperature too cold.	Reduce water flow using the water knob. Increase gas knob setting. This unit has a maximum temperature rise; very cold inlet water may limit output temperature.
Unit cycles on and off rapidly	Insufficient water flow. Shower head on/off switch issues.	Ensure consistent water flow. Check shower head switch for proper operation; some users report issues with the integrated switch and opt for an external valve.

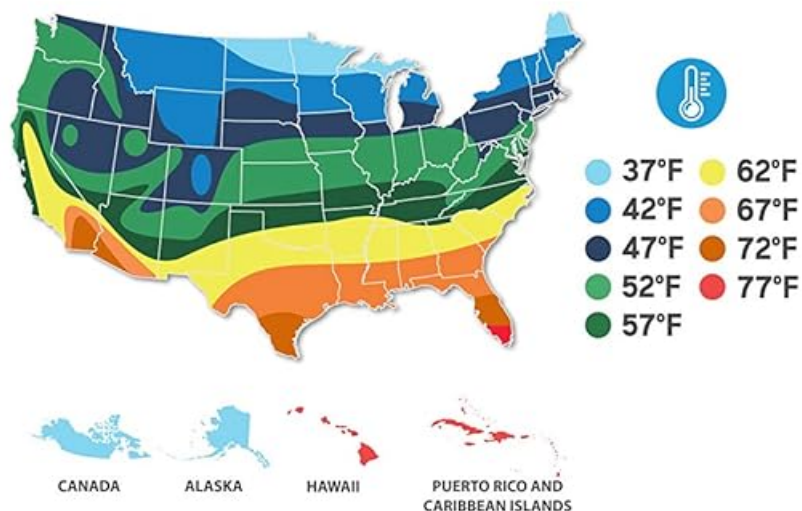
Problem	Possible Cause	Solution
Gas smell	Gas leak.	Immediately turn off gas supply at the tank. Ventilate the area. Check all connections with soapy water. Do not operate until leak is found and fixed. If smell persists, contact a qualified technician.

## SPECIFICATIONS

Feature	Detail
Brand	MAREY
Model	GA5PORT
Product Dimensions	11.4"W x 17"H
Item Weight	13.97 pounds
Fuel Type	Liquid Propane (LP) Gas
Heat Output	35,000 BTU/h (10157 Watts)
Pipe Fittings	1/2 inch NPT (incoming/outgoing water and gas)
Ignition	2-D cell batteries (not included)
Special Feature	Naturally Vented Outdoors
Certification	CSA

## TEMPERATURE MAP

**1** Choose your new Marey tankless water heater based on your climate. Consult this chart to find the best model for you.



- 2 To identify the unit's capacity, match your location on the map with the table below.

### TYPICAL GPM REQUIREMENTS FOR VARIOUS FIXTURES

Hand Washing Sink	0.5 - 1.0 GPM
Washing Machine	1.0 - 1.5 GPM
Residential Dishwasher	1.0 - 2.0 GPM
Residential Kitchen Sink	1.5 - 2.0 GPM
Shower	1.5 - 2.0 GPM
Utility Faucet	1.5 - 2.0 GPM
Bathtub	4.0 - 5.0 GPM

#### PROPER SIZING EXAMPLE

- Bathroom Lavatory Sink: 1.0 GPM  
 - Standard Shower: 2.0 GPM  
 Total GPM Demand: 3 GPM  
 (running at the same time)



SHOWER  
WORKING ON 1.5 GPM



HAND SINK FAUCET  
WORKING ON 1.0 GPM

#### INLET TEMP: 37°F

PRODUCT	GPM	POINTS OF USE
NA	NA	NA

#### INLET TEMP: 42°F

PRODUCT	GPM	POINTS OF USE
GAS 16L	2.0	

#### INLET TEMP: 47°F

PRODUCT	GPM	POINTS OF USE
GAS 10L	1.3	
GAS 16L	2.3	

#### INLET TEMP: 52°F

PRODUCT	GPM	POINTS OF USE
PORTABLE	1.0	
GAS 5L	1.0	
GAS 10L	1.4	
GAS 16L	2.3	

#### INLET TEMP: 57°F

PRODUCT	GPM	POINTS OF USE
PORTABLE	1.2	
GAS 5L	1.2	
GAS 10L	1.7	
GAS 16L	2.6	

#### INLET TEMP: 62°F

PRODUCT	GPM	POINTS OF USE
PORTABLE	1.2	
GAS 5L	1.2	
GAS 10L	1.8	
GAS 16L	2.9	

#### INLET TEMP: 67°F

PRODUCT	GPM	POINTS OF USE
PORTABLE	1.5	
GAS 5L	1.5	
GAS 10L	2.0	
GAS 16L	3.3	

#### INLET TEMP: 72°F

PRODUCT	GPM	POINTS OF USE
PORTABLE	1.7	
GAS 5L	1.7	
GAS 10L	2.3	
GAS 16L	3.7	

#### INLET TEMP: 77°F

PRODUCT	GPM	POINTS OF USE
PORTABLE	2.0	
GAS 5L	2.0	
GAS 10L	3.1	
GAS 16L	4.3	

- 3 Now that you chose the best model, review the technical information presented on this chart.

#### GAS TANKLESS WATER HEATERS

PRODUCT	GAS TYPE	HEAT LOSS (BTU/h)	MAX. FLOW RATE (GPM)	DIMENSIONS	WEIGHT (LBS)
GA5PORT	Propane	35.000	2.0	11.4" x 17" x 4.7"	12
GA5NG	Natural	34.614	2.0	11.4" x 17" x 4.7"	11
GA5LP	Propane	34.614	2.0	11.4" x 17" x 4.7"	11
GA10NG	Natural	79.228	3.1	13.6" x 23.6" x 6.9"	21
GA10LP	Propane	79.228	3.1	13.6" x 23.6" x 6.9"	21
GA10NGDP	Natural	79.228	3.1	13.6" x 23.6" x 6.9"	21
GA10LPDP	Propane	79.228	3.1	13.6" x 23.6" x 6.9"	21
GA16NGDP	Natural	111.903	4.3	16.5" x 27.9" x 8.2"	29
GA16LPDP	Propane	111.903	4.3	16.5" x 27.9" x 8.2"	29

Temperatures vary according to each geographic region.

The ranges considered on our specifications are based on average climate data.

ATTENTION: This unit is neither appropriate for elevation above 3,000 ft nor the listed uses: Floor Heating, Hydronic Systems and Recirculating.

Figure 5: Temperature map and typical GPM requirements for various fixtures.

This chart helps determine the appropriate water heater model based on geographical temperature and typical gallons per minute (GPM) needed for different applications like showers or sinks. It also provides a table of specifications for various Marey tankless water heaters, including the GA5PORT.

The Marey GA5PORT Portable Propane Gas Tankless Water Heater comes with a **5-Year Limited Warranty**. For warranty claims or technical support, please refer to the contact information provided with your purchase documentation or visit the official Marey website.

It is recommended to register your product to facilitate any future support needs.

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