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> JOVJOYER RV Tankless Water Heater TM-RV03 Instruction Manual

## JOVJOYER TM-RV03

# JOVJOYER RV Tankless Water Heater Instruction Manual

Model: TM-RV03 | Brand: JOVJOYER

## 1. INTRODUCTION

This manual provides essential information for the safe installation, operation, and maintenance of your JOVJOYER RV Tankless Water Heater, Model TM-RV03. Please read all instructions carefully before installation and use to ensure proper function and safety.

The JOVJOYER RV Tankless Water Heater is designed to provide on-demand hot water for recreational vehicles, offering a continuous supply without the need for a storage tank. It features a 65,000 BTU heating capacity and a 2.9 GPM flow rate, ensuring hot water even in colder conditions.

### Safety Information

Your safety and the safety of others are paramount. This appliance must be installed and serviced by a qualified professional in accordance with all local codes and regulations. Failure to follow these instructions can result in property damage, personal injury, or death.

- Ensure proper ventilation during operation.
- Do not store flammable materials near the water heater.
- Regularly inspect gas and water connections for leaks.
- This unit is CSA certified, ensuring high safety standards.

## 2. PRODUCT FEATURES

The JOVJOYER RV Tankless Water Heater incorporates several features designed for efficiency, convenience, and safety.

### Instant and Stable Hot Water

Experience immediate hot water without waiting. The system provides a continuous and stable hot water supply, maintaining temperatures within a precise range of 95°F-123°F (35°C-50.5°C) to prevent fluctuations.

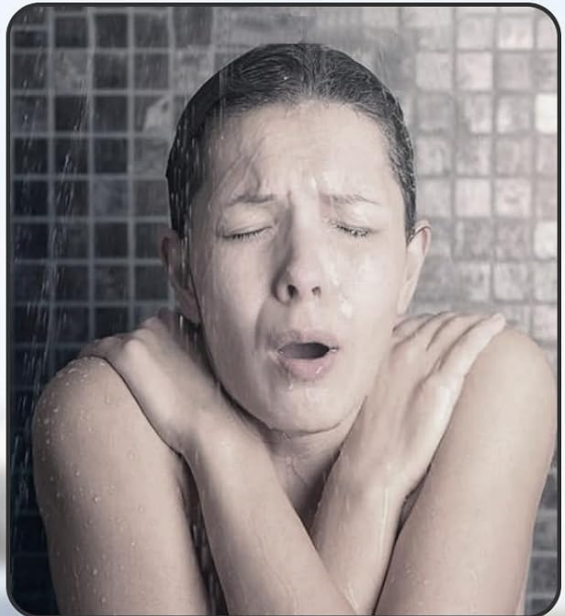
# Stable Temperature

Instantaneous heating,enjoy hot water when you turn it on

Jovjoyer



Other



Temperature

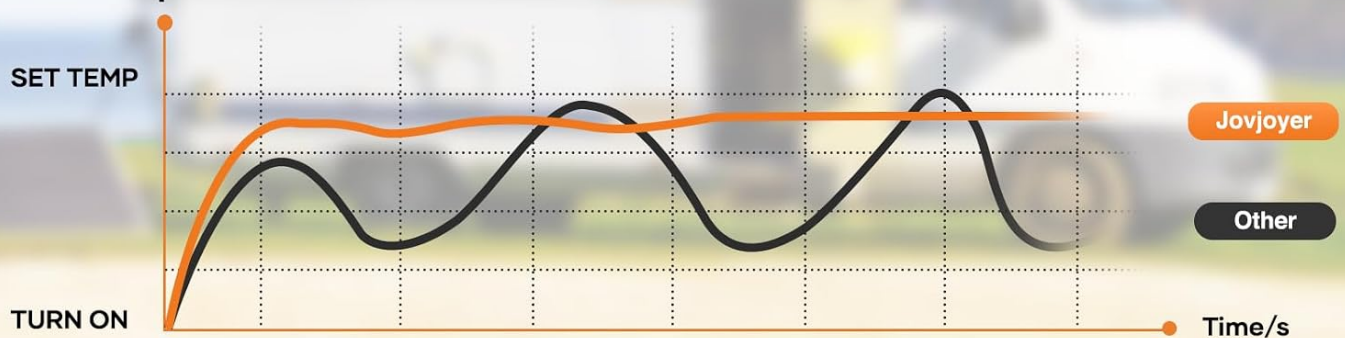


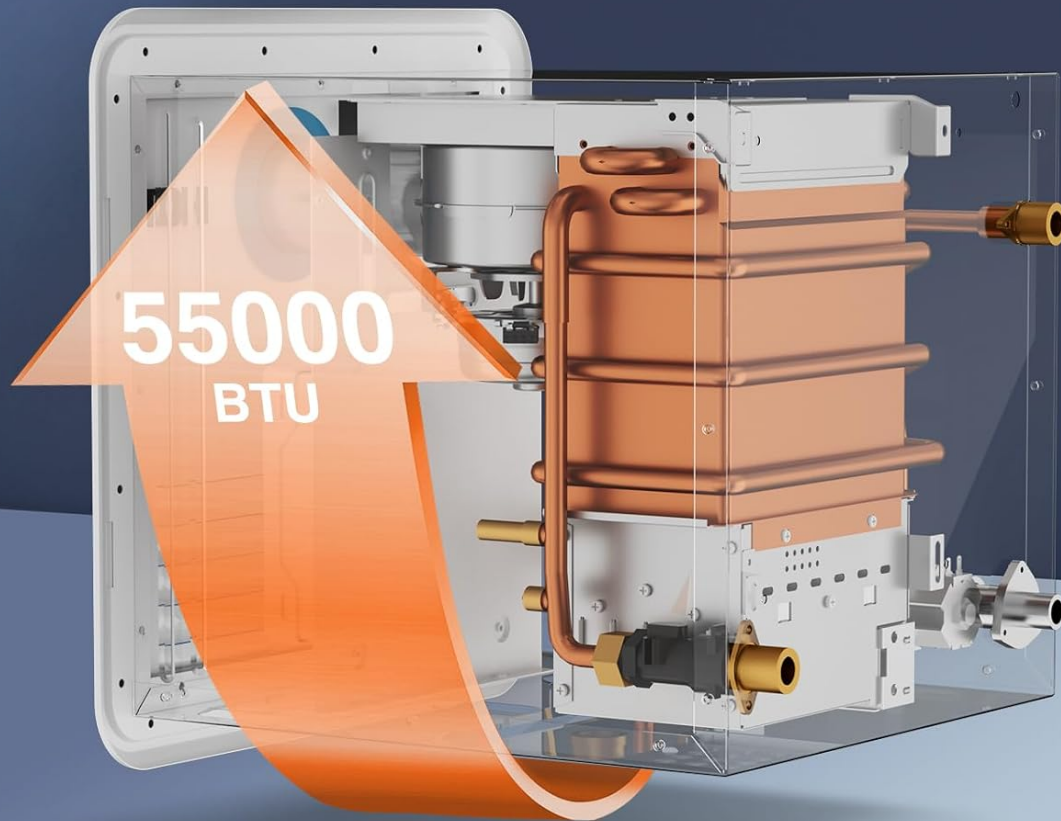
Image: Comparison of stable temperature delivery by the JOVJOYER unit versus temperature instability in other water heaters.

## High Efficiency Heating

With 65,000 BTU of heating power and a 2.9 GPM flow rate, this unit is capable of supplying an entire RV with hot water. The high-efficiency heating coil ensures rapid water heating, reducing gas consumption.

# High Efficient Heat Power

Enough to supply an entire RV



**55000**  
BTU HEATING POWER



Image: Illustration of the internal heating components and 55,000 BTU heating power (note: product is 65,000 BTU, image may be for a variant).

## Multiple Safety Protections

The water heater is equipped with advanced safety features, including:

- Flame extinguished protection
- Automatic pressure relief
- Anti-freezing protection
- Anti-dry burning protection
- Fan failure protection

# Multiple Safety Protection



Flame extinguished  
protection



Automatic  
pressure relief



Anti-freezing  
protection



Anti-dry burning  
protection



Fan failure  
protection

Image: Visual representation of the multiple safety protection features integrated into the water heater system.

## Intelligent Wired Remote Controller

A wired remote controller is included for convenient temperature adjustment and system control. It allows you to power the unit on/off, adjust temperature up/down, and switch between Fahrenheit and Celsius displays.

# Intelligent Wired Remote Controller



## Jovjoyer



Power  
Button



Temperature  
Up



Fahrenheit  
Celsius



Temperature  
Down

Image: Detailed view of the remote controller and its functions.

### 3. SPECIFICATIONS

| Specification       | Detail                       |
|---------------------|------------------------------|
| Brand               | JOVJOYER                     |
| Model Number        | TM-RV03                      |
| Power Source        | Propane Gas                  |
| Heat Output         | 65,000 BTU                   |
| Flow Rate           | 2.9 Gallons Per Minute (GPM) |
| Maximum Temperature | 123°F (50.5°C)               |

| Specification       | Detail                                      |
|---------------------|---------------------------------------------|
| Voltage             | 12 Volts (DC)                               |
| Product Dimensions  | 15"W x 16"H                                 |
| Material Type       | Alloy Steel                                 |
| Included Components | Instruction manual, wire controller, screws |
| Certifications      | CSA Certified                               |

## 4. INSTALLATION

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

### Mounting Requirements

The JOVJOYER RV Tankless Water Heater is designed to fit most RVs with a standard 13" x 13" opening and a 15" x 15" door. Ensure the mounting location provides adequate clearance for ventilation and access for maintenance.

# SMALLER VOLUME FOR EASIER INSTALLATION



Image: Dimensions for RV cut-out and water heater unit for proper installation.

## Connection Guidelines

- **Gas Connection:** Connect the propane supply line to the water heater's gas inlet. Ensure all connections are tight and leak-free using appropriate sealant and tools.
- **Water Connections:** Connect the cold water inlet and hot water outlet lines. The unit includes a built-in pressure relief valve; ensure it is properly installed and oriented.
- **Electrical Connection:** Connect the 12V DC power supply to the unit. Ensure correct polarity.
- **Remote Controller:** Connect the wired remote controller to the designated port on the water heater.

After all connections are made, perform a thorough leak test on both gas and water lines before operating the unit.

## 5. OPERATING INSTRUCTIONS

Follow these steps to operate your JOYJOYER RV Tankless Water Heater.

## Initial Startup

1. Ensure all gas and water connections are secure and leak-free.
2. Open the propane supply valve.
3. Turn on the 12V DC power supply to the water heater.
4. Open a hot water faucet in your RV to allow water to flow through the system and purge any air.

## Using the Remote Controller

The intelligent wired remote controller allows you to manage the water heater's settings.

- **Power Button:** Press to turn the water heater ON or OFF.
- **Temperature Up/Down:** Use these buttons to adjust the desired hot water temperature within the range of 95°F-123°F.
- **Fahrenheit/Celsius Priority:** Press this button to toggle the temperature display between Fahrenheit (°F) and Celsius (°C).

Once the unit is powered on and a hot water faucet is opened, the water heater will automatically ignite and begin heating water to the set temperature.

## 6. MAINTENANCE

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

### Winterization and Anti-Freeze Protection

The unit features built-in anti-freeze protection. However, for extended periods of non-use in freezing temperatures, it is recommended to properly winterize your RV's plumbing system, including draining the water heater. Consult your RV's manual for specific winterization procedures.

### General Care

- Periodically inspect the exterior of the unit for any signs of damage or wear.
- Keep the area around the water heater clear of debris and obstructions to ensure proper airflow.
- Check gas and water connections for any signs of leaks.
- Clean the exterior door and vents as needed.

## 7. TROUBLESHOOTING

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If you encounter issues with your water heater, refer to the following common troubleshooting steps. For complex problems, contact a qualified technician.

### No Hot Water

- **Check Power:** Ensure the 12V DC power supply is connected and active.
- **Check Gas Supply:** Verify that the propane tank has fuel and the gas valve is open.
- **Water Flow:** Confirm there is adequate water flow through the hot water faucet.
- **Remote Controller:** Ensure the unit is powered ON via the remote controller.

### Inconsistent Water Temperature

- **Water Pressure:** Ensure consistent water pressure to the unit.
- **Flow Rate:** Avoid excessive water flow that might exceed the unit's heating capacity.

- **Air in Lines:** Purge air from the water lines by running hot water for a few minutes.

## Unit Not Igniting

- **Gas Supply:** Confirm gas is flowing to the unit.
- **Ignition System:** If gas is present but no ignition occurs, there may be an issue with the igniter. Contact support.

## 8. WARRANTY AND SUPPORT

For warranty information or technical support, please contact JOVJOYER customer service. Keep your purchase receipt and model number (TM-RV03) readily available when contacting support.

Refer to the contact information provided with your product packaging or visit the official JOVJOYER website for assistance.

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