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> Forimo FCRSQ-011 RV Constant Propane Tankless Water Heater User Manual

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Brand: Forimo | Model: FCRSQ-011

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Forimo FCRSQ-011 RV Constant Propane Tankless Water Heater. Designed for recreational vehicles, campers, yachts, and other mobile locations, this unit delivers hot water on demand, offering energy efficiency and convenience. Please read all instructions carefully before installation and use.

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.

- Ensure proper ventilation and exhaust for safe operation.
- Connect to a 12-volt DC power source and propane supply as specified.
- Do not install directly against combustible materials. A concrete board or similar non-combustible barrier is recommended behind the unit.
- The unit features a leakage protection switch for enhanced safety.
- In freezing temperatures, ensure the unit is properly drained to prevent damage (winterization).
- The integrated pressure valve will release pressure and drain water if it reaches a certain level, preventing tank bursting.

PRODUCT OVERVIEW & FEATURES

The Forimo FCRSQ-011 is a high-efficiency, constant propane tankless water heater designed for reliable performance in various mobile settings. Key features include:

- **On-Demand Heating:** Activates only when hot water is needed, saving energy.
- **High Efficiency:** Heats water on demand, using approximately 40% less energy than traditional tank

water heaters.

- **Flow Rate:** Provides 3.9 gallons per minute (GPM) of hot water with a minimum water pressure of 3.6 PSI.
- **Maximum Temperature:** Can raise water temperature by up to 123°F.
- **Quality Construction:** Crafted from stainless steel for high temperature and corrosion resistance, with a built-in oxygen-free copper water tank.
- **Powerful DC Motor:** Ensures stable combustion without noise.
- **Multi-Protection:** Includes thermostatic system, over-temperature protection, anti-freeze protection, electronic ignition, overpressure protection, and dry combustion protection.
- **Smart Remote Control:** Displays target temperature in Celsius or Fahrenheit.

BUILT-IN INSTANTANEOUS WATER HEATER

The ideal replacement for tank water heaters

1 DC inverter ventilator

2 Intelligent segmented combustion

3 Intelligent protection adaptive thermostat

High performance motors

- Powerful force**
Full combustion heats up faster
- Lower noise**
Smooth operation and stable combustion
- Highly adaptable**
Emergency shut-off temperature at 140°F
- Effective vibration resistance**
Vibration test runs for three hours without failure

Figure 1: Internal components of the Forimo tankless water heater, highlighting the DC inverter ventilator, intelligent segmented combustion, high performance motors, and intelligent protection adaptive thermostat.

BUILT-IN INSTANTANEOUS WATER HEATER

The ideal replacement for tank water heaters



Thermostatic system



Over temp protection



Anti-freeze protection



Wall controller



Electronic ignition



Overpressure protection



Dry combustion protection



Easy installation

Figure 2: Forimo tankless water heater with key dimensions and icons illustrating its comprehensive protection features.

INTELLIGENT WIRED REMOTE CONTROL

Simple and reliable operation of water status

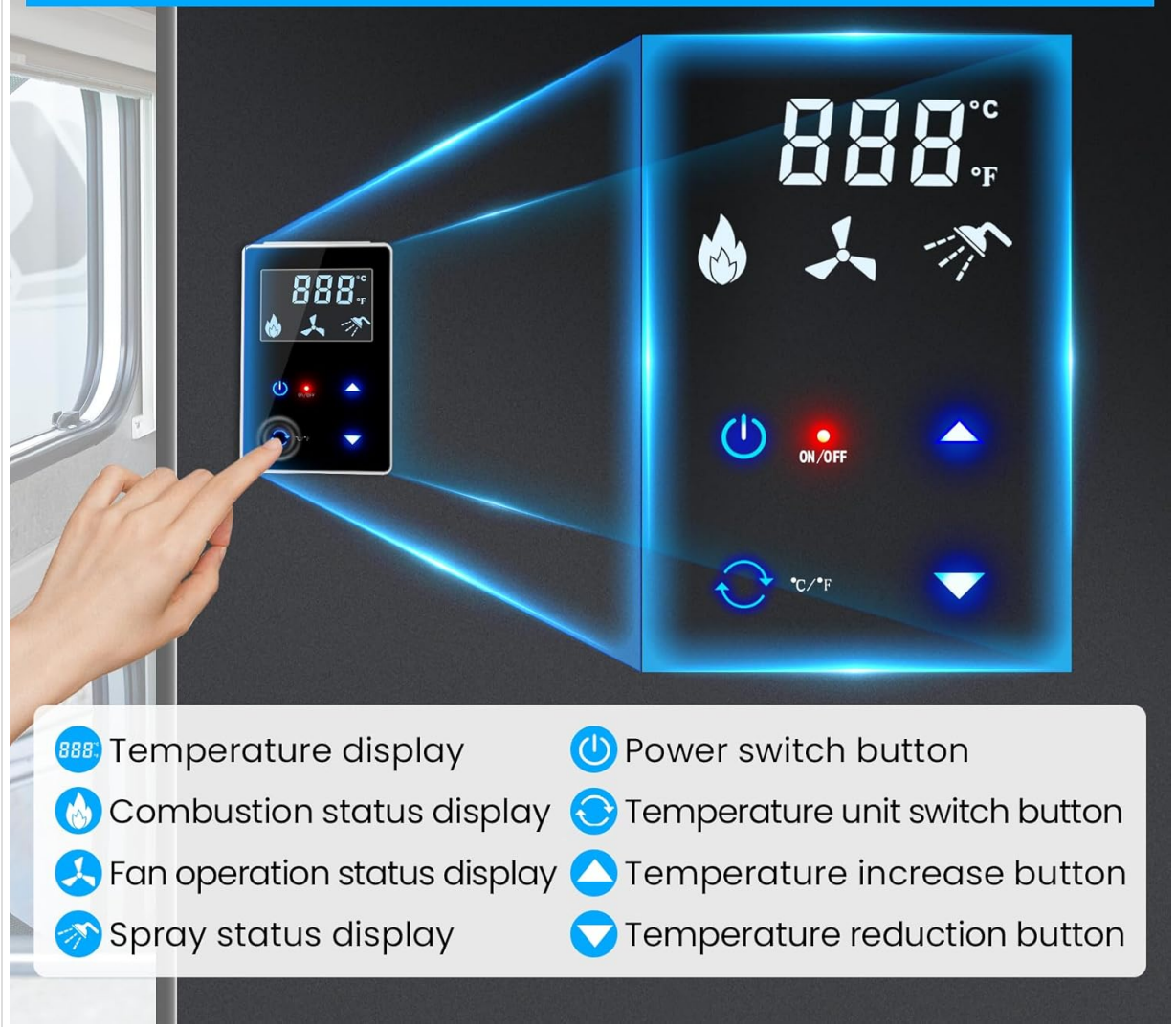


Figure 3: Intelligent wired remote control for monitoring and adjusting water temperature and operational status.

MULTIPOINT WATER SUPPLY

Ample water flow to support multiple water usage



Figure 4: The Forimo water heater supports ample water flow for multiple usage points in RVs and other mobile settings.

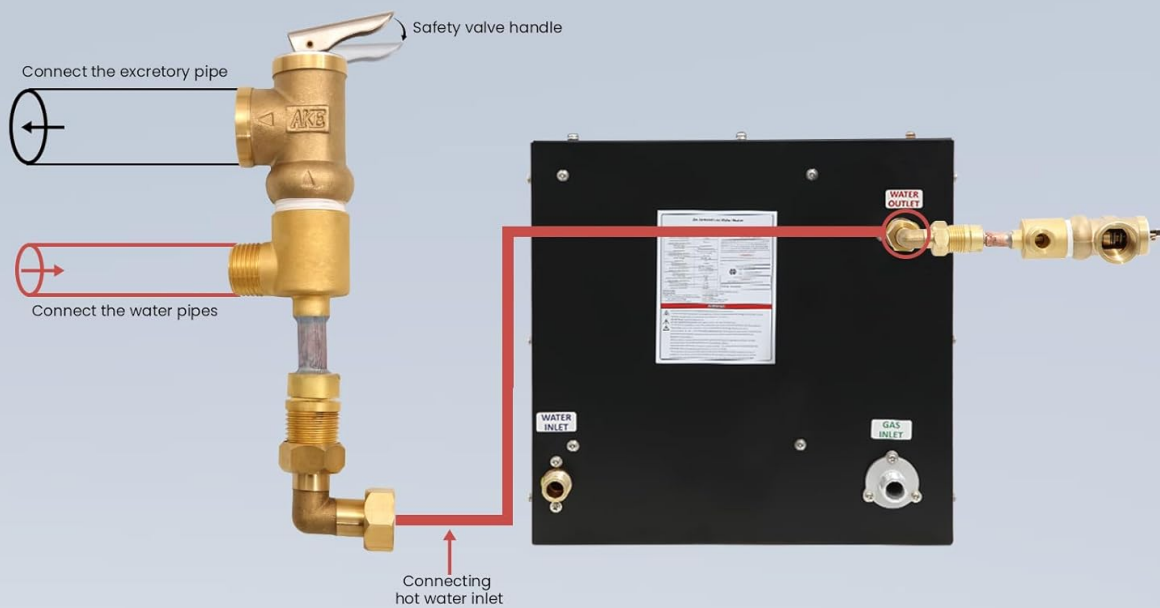
SETUP & INSTALLATION

The RV water heater requires connection to a 12-volt DC power source and a propane supply. Follow these general steps for installation:

1. **Mounting:** Securely mount the unit to a stable, non-combustible surface. Ensure adequate clearance for ventilation and connections.
2. **Water Connections:** Connect the water inlet (cold water) and water outlet (hot water) using 1/2" NPT connections. Ensure all connections are tight and leak-free.
3. **Gas Connection:** Connect the gas inlet (5/8" UNF) to your propane supply. Verify all gas connections are secure and test for leaks.
4. **Power Connection:** Plug the unit into a 12-volt DC power source.
5. **Exhaust System:** Install the provided exhaust components to vent combustion gases safely outside. The unit features a downward power exhaust system.
6. **Remote Control:** Install the intelligent wired remote control in a convenient location for easy access.

TEMPERATURE PRESSURE SAFETY VALVE

Effectively prevent the water storage tank burst, safer to use



CAN BE INSTALLED IN DIFFERENT DIRECTIONS

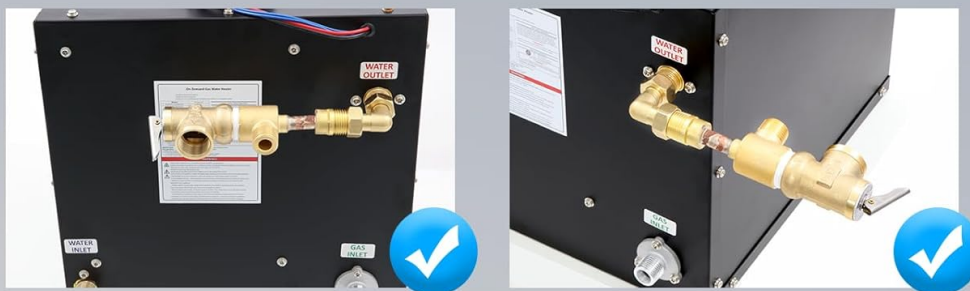
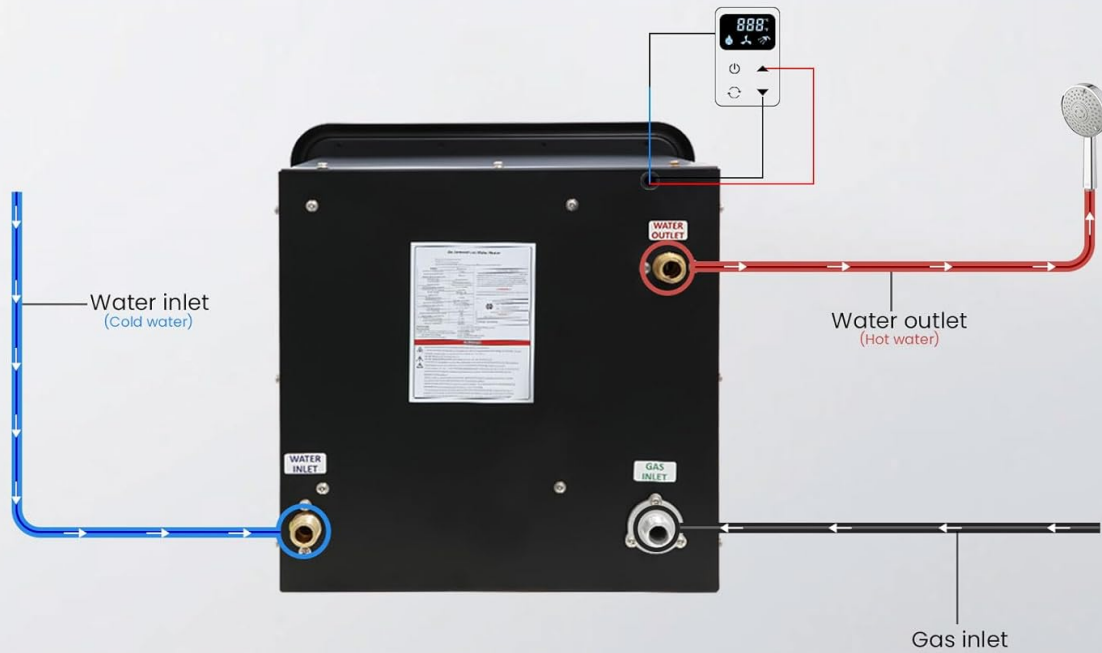


Figure 5: Connection diagram for the temperature pressure safety valve, crucial for preventing tank bursting.

SIMPLE AND EASY TO INSTALL

Camper water heater installation diagram



Screw the cover to the body



Adjusting the direction of the buckle



Rotate the buckle to the right

Figure 6: Simplified installation diagram for water and gas connections, along with steps for securing the unit.

OPERATING INSTRUCTIONS

1. **Power On:** Press the power switch button on the intelligent remote control to turn on the unit.
2. **Temperature Adjustment:** Use the temperature increase and reduction buttons on the remote control to set your desired hot water temperature. The display will show the target temperature.
3. **Water Flow:** Open your hot water faucet. The unit will automatically detect water flow and begin heating.
4. **Monitoring:** The remote control displays combustion status, fan operation status, and spray status.
5. **Power Off:** Close all hot water faucets. The unit will automatically stop heating. Press the power switch button to turn off the unit completely when not in use.

MAINTENANCE

- **Regular Inspection:** Periodically check all water and gas connections for leaks. Inspect the exhaust system for any blockages or damage.
- **Cleaning:** Keep the exterior of the unit clean. Avoid using abrasive cleaners.
- **Winterization (Freezing Temperatures):** If the unit will be exposed to freezing temperatures, it is

crucial to drain all water from the system to prevent damage. This typically involves disconnecting water lines and opening drain valves.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No hot water	No gas supply, low water pressure, no 12V DC power, unit not turned on.	Check propane tank, ensure minimum 3.6 PSI water pressure, verify 12V DC power connection, press power button on remote.
Water is not hot enough	Temperature setting too low, high water flow rate.	Increase temperature setting on remote, reduce water flow rate.
Unit leaking water	Loose connections, damaged internal components, pressure valve activation.	Check and tighten all water connections. If leaking persists or from internal components, contact customer support.
Remote control not working	Power issue, remote malfunction.	Check power supply to the main unit. If the main unit is operational but the remote is not, contact customer support for a replacement.

SPECIFICATIONS

Feature	Detail
Brand	Forimo
Model Number	F CRSQ-011
Product Dimensions	14.96"W x 14.96"H
Item Weight	27.4 pounds
Color	Black
Power Source	Liquid Propane
Voltage	12 Volts
Wattage	16068.9 watts
Maximum Flow Rate	3.9 Gallons Per Minute
Maximum Temperature	123 Degrees Fahrenheit
Efficiency	High
Special Feature	Leakage Protection Switch
Included Components	RV Tankless Water Heater

WARRANTY & SUPPORT

For warranty information or technical support, please refer to the documentation included with your product or contact Forimo customer service directly. Ensure you have your model number (FCRSQ-011) and purchase details available when seeking support.