



Manuals.plus /

› Nessxa /

› Nessxa 1.6 Gallon Electric Mini Tank Water Heater Instruction Manual

Nessxa YYJ24039-1

Nessxa 1.6 Gallon Electric Mini Tank Water Heater

MODEL: YYJ24039-1

Brand: Nessxa

1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Nessxa 1.6 Gallon Electric Mini Tank Water Heater. This point-of-use water heater is designed to deliver instant hot water, reducing wait times and water waste in various scenarios including homes, hotels, restaurants, and hospitals. Its compact design allows for flexible installation under sinks or counters.

2. Safety Information

WARNING: To avoid installation errors that may affect your use, please have a professional install this water storage heater.

- The unit features multi-protection for peace of mind, including IPX4 waterproof rating, water and electricity separation, overheat protection, anti-high voltage protection, and sensitive leakage protection.
- Ensure proper grounding and electrical connections as per local codes.
- Do not operate the water heater if any part is damaged or leaking.
- Maintain the temperature and pressure relief valve in accordance with the procedure in this manual.

Multi-protection for Peace of Mind



Figure 1: Multi-protection features including IPX4 waterproof, water and electricity separation, overheat protection, anti-high voltage protection, and sensitive leakage protection.

3. Product Overview & Components

The Nessxa 1.6 Gallon Electric Mini Tank Water Heater is a compact, efficient unit designed for point-of-use applications. It features a high-density polyvinyl chloride integral foaming process for uniform heating and a 4-layer anti-corrosion stainless steel inner tank for durability and performance. The adjustable thermostat allows you to set your desired water temperature.

Product Dimension



Figure 2: Product dimensions (10.2"W x 10.2"D x 11.7"H) and key specifications including 1.6 Gallons capacity, 10A, IPX4, 110V, 0.8MPa pressure, and 1500W power.

Compact Size Suits Various Occasions



Figure 3: The compact size of the water heater makes it suitable for various occasions and locations, including bathrooms, offices, garages, hospitals, salons, and kitchens.

4. Setup & Installation

The water heater can be wall-mounted or floor-mounted under a sink or counter. Professional installation is highly recommended to ensure proper setup and safety.

4.1 Mounting Options

Multiple Installation Options

Compact design, space-saving, installation freedom



Wall-Mounted



Floor-Mounted

Figure 4: Multiple installation options, including wall-mounted (left) and floor-mounted (right), demonstrating the compact design and installation flexibility.

4.2 Plumbing Connections

1. Identify the cold water inlet (blue cap) and hot water outlet (red cap) on top of the unit.
2. Install the pressure relief valve (PRV) into the designated port. It is typically installed on the cold water intake side or as per local plumbing codes.
3. Connect the cold water supply line to the cold water inlet.
4. Connect the hot water output line to your faucet or fixture.
5. Ensure all connections are secure and watertight.

4.3 Electrical Connection

Plug the water heater into a standard 110V electrical outlet. Ensure the outlet is properly grounded and rated for 1500W.

4.4 Installation Video

Video 1: This video demonstrates the installation process for a mini tank water heater, providing visual guidance for plumbing and mounting.

5. Operating Instructions

The Nessxa water heater is designed for user-friendly operation with an adjustable thermostat and LED display.

5.1 Temperature Control

- The unit features a rotary knob on the front panel to adjust the water temperature.
- The temperature adjustment range is 77°F - 176°F (25°C - 80°C).
- Rotate the knob clockwise to increase the temperature and counter-clockwise to decrease it.
- The LED display shows the current water temperature in Celsius. Note: There is no option to change the display to Fahrenheit.

5.2 Energy Saving Mode

When the water temperature in the instant hot water heater is below 77°F (25°C), the mini tank water heater will automatically enter standby mode, maximizing energy and power savings.



Figure 5: User-friendly details highlighting the temperature adjustment knob and LED display for easy water temperature viewing.

5.3 Operation Overview Video

Video 2: This video provides an overview of a similar mini tank water heater, demonstrating its instant heating capabilities and compact installation under a sink.

6. Maintenance

Regular maintenance ensures the longevity and efficiency of your water heater.

6.1 Descaling

It is recommended to descale the inner heating rods yearly to prevent mineral buildup, which can affect performance. This process may require partial disassembly of the unit, and professional assistance is advised.

6.2 General Care

- Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners.
- Periodically check all plumbing connections for leaks.
- Test the pressure relief valve regularly as per the instructions provided with the valve.

7. Troubleshooting

If you encounter issues with your water heater, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No hot water	No power; thermostat set too low; unit not turned on.	Check power supply; adjust thermostat; ensure unit is plugged in and turned on.
Insufficient hot water	Thermostat set too low; excessive hot water demand; mineral buildup.	Increase thermostat setting; allow time for recovery; descale the unit.
Water leaking from unit	Loose plumbing connections; faulty pressure relief valve; tank damage.	Tighten connections; inspect/replace PRV; contact professional for tank inspection.
Temperature display in Celsius only	Unit design.	The unit's display is fixed to Celsius. Refer to the manual for Fahrenheit conversion if needed.

8. Specifications

Feature	Specification
Brand	Nessxa
Model Number	YYJ24039-1
Capacity	1.6 Gallons
Product Dimensions	11.8"W x 10.2"H (Note: Product image shows 10.2" x 10.2" x 11.7")
Color	White
Wattage	1500 watts
Voltage	110 Volts (AC)
Maximum Temperature	176 Degrees Fahrenheit (80°C)
Efficiency	Efficient
Mounting Type	Wall
Item Weight	14.85 pounds
Included Components	Colloidal particle*1, drain hose*1, hook screws*2, instruction book*1, sealing washers*2, storage electric water heater
UPC	631060198255

9. Warranty & Support

Your Nessxa Electric Mini Tank Water Heater comes with a complete accessory kit and a detailed instruction manual. For specific warranty information or technical support, please refer to the documentation included with your product or contact Nessxa customer service.