

Manuals.plus /

› Nessxa /

› Nessxa 16L Propane Gas Tankless Water Heater Instruction Manual (Model 16P)

Nessxa 16P

Nessxa 16L Propane Gas Tankless Water Heater Instruction Manual

Model: 16P

1. PRODUCT OVERVIEW

The Nessxa 16L Propane Gas Tankless Water Heater provides on-demand hot water with high efficiency. Designed for indoor installation, this unit delivers a flow rate of 16 liters per minute (4.22 GPM) with a 25°C temperature rise, eliminating the need for preheating. Its compact design and advanced features make it suitable for various household applications.



Figure 1: Nessxa 16L Propane Gas Tankless Water Heater with key specifications and dimensions.



Figure 2: Diagram illustrating the 16L tankless water heater's capacity for whole-house hot water supply.

2. IMPORTANT SAFETY INFORMATION

2.1 General Safety Precautions

- Read all instructions thoroughly before installation and operation.
- Ensure the unit is installed by qualified technicians in compliance with local codes and regulations.
- Do not store flammable materials near the water heater.
- Regularly inspect the unit for any signs of damage or leaks.

2.2 Multi-Layer Safety System

This tankless water heater is equipped with multiple safety features to ensure reliable and safe operation:

- **Overheat Protection:** Automatically activates at 125°F (52°C) to prevent scalding.
- **Gas Leak Detection:** Cuts off the energy supply immediately upon detecting a gas anomaly.
- **Post-Shutdown Fan Operation:** The internal fan continues to run briefly after shutdown to cool internal components, extending the unit's lifespan.
- **40-Minute Timer:** Prevents dry burning by automatically shutting off after 40 minutes of continuous operation.

3. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	Nessxa
Model Number	16P
Product Dimensions (W x H)	17.32" x 28.54"
Item Weight	9.84 pounds
Gas Type	Propane Gas
Hot Water Output	16 L/min (4.22 GPM)
Nominal Heat Input	109,188 BTU (32 KW)
Rated Voltage	110V
Maximum Temperature	125°F (52°C)
Efficiency	High Efficiency
Mounting Type	Wall
Special Features	Overheat Protection, Gas Leak Detection, Automatic Overheat Warning, Multi-Layer Safety System, Digital Temperature Control, Timer for Dry Burning Prevention

4. INSTALLATION GUIDE

4.1 Professional Installation Required

Indoor installation of this tankless water heater must be performed by qualified and licensed technicians. This is crucial due to the complex nature of gas piping, venting requirements, and electrical connections. Improper setup poses significant risks, including gas leaks, carbon monoxide poisoning, and equipment failure. Ensure all installations comply with local building codes and safety regulations.

4.2 Connection Points

The unit requires a 110V power supply. Gas and water connections are located on the underside of the unit. The exhaust pipe, which is included, must be installed with a 3° downward slope to prevent condensate erosion. Mounting brackets are provided for secure wall installation.



Figure 3: Internal components and connection points of the water heater.

5. OPERATING INSTRUCTIONS

5.1 Instant Hot Water Delivery

This tankless water heater provides hot water on demand. Once activated, the unit heats water as it flows through, eliminating the need for a storage tank and preheating. Hot water is typically available within seconds, providing a continuous supply for your needs.



Figure 4: Illustration of stable hot water delivery.

5.2 Digital Display and Temperature Control

The unit features a dual-unit digital display, allowing you to easily switch between Fahrenheit (86°F-131°F) and Celsius (30°C-55°C) by pressing the mode button. This display provides real-time temperature monitoring and precise control. An automatic overheat warning activates if the temperature exceeds 125°F (52°C) to prevent scalding, making it ideal for households with children or elderly individuals. For safety and comfort, it is recommended to preset the temperature below 120°F (49°C).



Figure 5: Examples of daily hot water applications.

6. MAINTENANCE

The tankless design of this water heater inherently minimizes limescale buildup, and its rust-resistant heat exchanger ensures long-term unclogged operation for stable thermal output. To maintain optimal performance and extend the lifespan of your unit, consider the following:

- Periodically inspect the exhaust vent for any obstructions or damage.
- Ensure proper ventilation around the unit.
- Have a qualified technician perform annual inspections and maintenance, including checking gas connections and water filters.
- Clean the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners.

7. TROUBLESHOOTING

If you experience issues with your tankless water heater, refer to the following basic troubleshooting steps. For complex problems, always contact a qualified technician.

- **No Hot Water:** Check if the unit is powered on and receiving gas. Ensure water flow is sufficient to activate the heater.
- **Inconsistent Water Temperature:** Verify that the water pressure is stable. Check for any error codes on the digital display and consult the full manual for their meaning.
- **Unit Shuts Off Unexpectedly:** This could be due to the overheat protection or the 40-minute timer. Check for gas leaks or excessive temperatures.
- **Low Water Flow:** Inspect water inlet filters for clogs.

8. WARRANTY AND CUSTOMER SUPPORT

The Nessxa 16L Propane Gas Tankless Water Heater comes with a warranty that includes **5 years on the heat exchanger** and **1 year on other parts**. For warranty claims, technical assistance, or any questions regarding your

product, please contact Nessxa customer support through the retailer where the product was purchased or refer to the contact information provided in the packaging.