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Eemax SPEX012240T

Eemax SPEX012240T Lavadvantage Thermostatic Electric Tankless Water Heater User Manual

Model: SPEX012240T

INTRODUCTION

This manual provides essential instructions for the safe installation, operation, and maintenance of your Eemax SPEX012240T Lavadvantage Thermostatic Electric Tankless Water Heater. Please read this manual thoroughly before installation and use, and retain it for future reference.

The Eemax SPEX012240T is a point-of-use electric tankless water heater designed for commercial and residential undersink applications. It provides on-demand hot water, eliminating standby heat loss and offering high energy efficiency.

IMPORTANT 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.

This appliance must be installed by a qualified electrician and plumber in accordance with all national, state, and local electrical and plumbing codes.

- Ensure the power supply is disconnected before performing any service or maintenance.
- Do not operate the water heater if it is damaged or malfunctioning.
- Maintain proper clearances around the unit as specified in the installation instructions.
- This unit is designed for indoor use only.

PRODUCT OVERVIEW

The Eemax SPEX012240T Lavadvantage is a compact, highly efficient electric tankless water heater. It features a flow switch that activates the heater only on demand, ensuring 99% energy efficiency. This model is designed for easy installation, requiring only a single cold water line to the lavatory and no T&P valve.

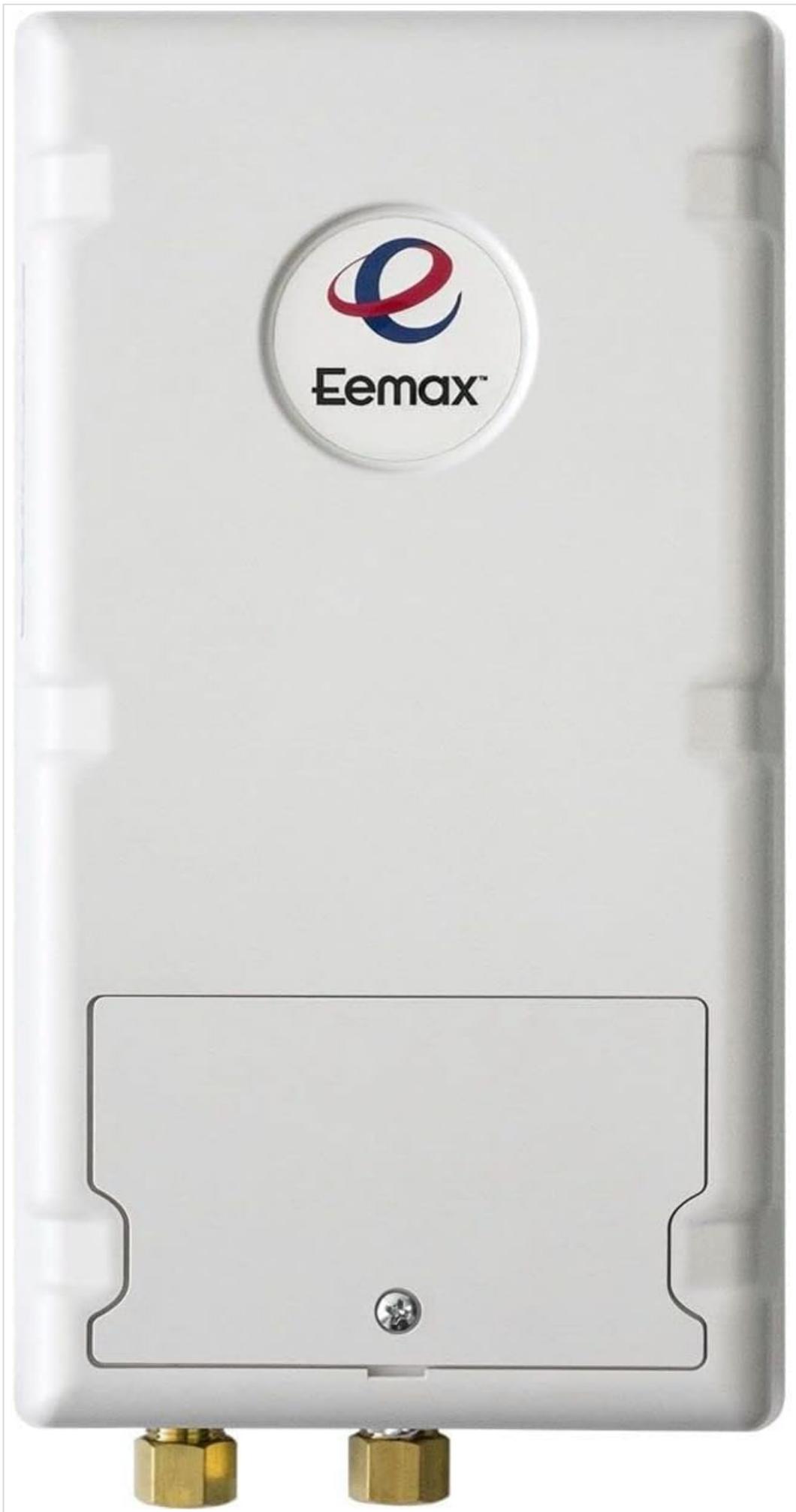


Figure 1: Front view of the Eemax SPEX012240T Lavadvantage Thermostatic Electric Tankless Water Heater. The unit is white with the

Eemax logo prominently displayed at the top. Two brass water connections are visible at the bottom.

SETUP AND INSTALLATION

Installation of this unit requires adherence to all applicable electrical and plumbing codes. It is recommended that installation be performed by a licensed professional.

1. Location Requirements

- Install the unit indoors, in a dry, non-condensing environment.
- Ensure adequate access for servicing and maintenance.
- Mount the unit vertically on a secure surface.

2. Plumbing Connections

- Connect the 3/8 inch compression water inlet to the cold water supply.
- Connect the 3/8 inch compression water outlet to the hot water fixture.
- Flush the water lines thoroughly before connecting to the heater to remove debris.
- Ensure all connections are watertight.

3. Electrical Connections

- This unit requires a dedicated 240V, 48A electrical circuit.
- Connect the heater to the electrical supply in accordance with the wiring diagram provided inside the unit's cover.
- Ensure proper grounding.
- A circuit breaker of appropriate rating (e.g., 50A) must be installed.

4. Initial Startup

1. After plumbing connections are complete, open the hot water faucet at the fixture to allow water to flow through the heater and purge all air from the system.
2. Once water flows steadily, close the hot water faucet.
3. Turn on the electrical power to the unit.
4. The unit will begin heating water when flow is detected.

OPERATING INSTRUCTIONS

The Eemax SPEX012240T is designed for automatic operation. It activates when water flow is detected and deactivates when flow stops.

Temperature Adjustment

This model is thermostatic, meaning it maintains a set output temperature. The temperature range is typically 70°F to 140°F. Refer to the internal controls for specific adjustment procedures, which usually involve a dial or digital interface located behind the front cover. Always disconnect power before opening the cover for adjustments.

Flow Rate Considerations

The heater requires a minimum flow activation of 0.2 gallons per minute (gpm) to operate. Performance is dependent on

incoming water temperature and flow rate. For example:

- Temperature Rise at 0.5 GPM: 157°F
- Temperature Rise at 1.5 GPM: 52°F
- Temperature Rise at 6.0 GPM: Limited to Thermostatic Setting

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your water heater. Always disconnect power before performing any maintenance.

- **Annual Inspection:** Inspect all water connections for leaks. Tighten if necessary.
- **Cleaning:** Periodically clean the exterior of the unit with a damp cloth. Do not use abrasive cleaners.
- **Sediment Filter (if applicable):** If an external sediment filter is installed, clean or replace it according to the filter manufacturer's instructions.
- **Descaling:** In areas with hard water, mineral deposits can accumulate over time. If you notice reduced hot water flow or temperature, the heating elements may require descaling. This procedure should be performed by a qualified professional.

TROUBLESHOOTING

Before contacting customer support, review the following common issues and solutions.

Problem	Possible Cause	Solution
No hot water or insufficient hot water.	<ul style="list-style-type: none">• No power to the unit.• Water flow below minimum activation.• Thermostat set too low.• Mineral buildup on heating elements.• Faulty heating element.	<ul style="list-style-type: none">• Check circuit breaker.• Ensure adequate water flow (min 0.2 GPM).• Adjust thermostat setting (disconnect power first).• Descale unit (professional service recommended).• Contact qualified technician.
Water leaks from unit or connections.	<ul style="list-style-type: none">• Loose plumbing connections.• Damaged internal component.	<ul style="list-style-type: none">• Tighten connections.• Turn off water and power; contact qualified technician.
Unit cycles on and off frequently.	<ul style="list-style-type: none">• Low water flow.• Air in the system.	<ul style="list-style-type: none">• Increase water flow.• Purge air from the system by running hot water.

SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model	SPEX012240T
Application	Point-of-Use, Undersink, Commercial/Residential
Wattage	11,500 W
Amperage	48 A
Voltage	240 V
Phase	1
Min. Flow Activation	0.2 gpm
Temperature Range	70°F to 140°F
Water Connection	3/8 inch Compression
Product Dimensions	5"W x 9"H
Item Weight	3.5 pounds
Efficiency	99% Energy Efficient
Certification	Watersense
UPC	091654923203

WARRANTY INFORMATION

Eemax products are covered by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Eemax website. Keep your proof of purchase for warranty claims.

CUSTOMER SUPPORT

If you require further assistance or have questions not covered in this manual, please contact Eemax customer support.

Eemax Official Website: www.eemax.com

Please have your model number (SPEX012240T) and date of purchase available when contacting support.