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EcoSmart ECO MINI 2.5

EcoSmart ECO MINI 2.5 Electric Mini Tank Water Heater User Manual

Model: ECO MINI 2.5

1. INTRODUCTION

The EcoSmart ECO MINI 2.5 is a compact 2.5-gallon electric mini tank water heater designed to provide hot water at the point of use. This unit is ideal for installations where space is limited, such as under a sink, or for boosting hot water supply to a remote fixture. Its efficient design ensures hot water is available quickly and conveniently.

2. IMPORTANT SAFETY INFORMATION

WARNING: Read all instructions before installing and using this water heater. Failure to follow these instructions could result in property damage, personal injury, or death.

- This product must be installed and serviced by a qualified professional.
- Ensure the electrical supply matches the unit's requirements (120V, 12 Amps).
- Do not operate the water heater if it is damaged or has been submerged in water.
- Avoid setting the temperature too high to prevent scalding.
- Proper grounding is essential to reduce the risk of electric shock.
- Install a temperature and pressure (T&P) relief valve as required by local codes.

3. PRODUCT OVERVIEW

The EcoSmart ECO MINI 2.5 features a sleek, compact design with user-friendly controls. It is designed for easy integration into various spaces.



Image: Front view of the EcoSmart ECO MINI 2.5, showing the temperature control knob and indicator lights.

Key Features:

- **Compact Design:** Fits easily under sinks or in small utility areas.
- **Temperature Control:** Adjustable knob for precise temperature settings.
- **Indicator Lights:** Displays power status and heating activity.
- **Energy Efficient:** 99.8% energy efficient.

4. SETUP AND INSTALLATION

The ECO MINI 2.5 is designed for point-of-use installation. It requires a single water line connection and plugs into a standard 110-volt outlet. Professional installation is recommended for plumbing and electrical connections.



Image: Side view of the EcoSmart ECO MINI 2.5, illustrating the water inlet and outlet connections.

Installation Steps:

- Choose Location:** Select a suitable location near the point of use, such as under a sink. Ensure adequate space for connections and maintenance.
- Mounting:** Securely mount the unit to a wall or sturdy surface using appropriate hardware.
- Water Connections:** Connect the cold water supply line to the inlet and the hot water outlet to the fixture. The unit typically uses 1/2-inch NPT connections. Ensure all connections are watertight.
- Fill Tank:** Before connecting power, open a hot water faucet to allow the tank to fill completely and purge air. Close the faucet once water flows steadily.
- Electrical Connection:** Plug the unit into a grounded 110-120V electrical outlet. The unit draws 12 Amps.

Video: Official EcoSmart video demonstrating the features and installation versatility of the MiniTank Electric Water Heater series.

5. OPERATING INSTRUCTIONS

Once installed and powered, the EcoSmart ECO MINI 2.5 is simple to operate.

Temperature Adjustment:

- Locate the temperature control knob on the front of the unit.
- Turn the knob clockwise to increase the water temperature and counter-clockwise to decrease it.
- The unit has a temperature range, typically from 50°F (10°C) to 140°F (60°C).
- Allow time for the water to heat up after adjusting the temperature. The heating indicator light will illuminate when the unit is actively heating.

Indicator Lights:

- **Power Light:** Illuminates when the unit is connected to power.
- **Heating Light:** Illuminates when the heating element is active and heating water. It will turn off once the set temperature is reached.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your water heater.

- **Annual Tank Flush:** To prevent sediment buildup, drain and flush the tank annually. Turn off power and water supply, connect a hose to the drain valve, and open the pressure relief valve to allow drainage.
- **Pressure Relief Valve Check:** Annually, test the temperature and pressure (T&P) relief valve by lifting the lever. Ensure water flows freely and then reseats properly. If it does not reseat, replace the valve.
- **Inspect for Leaks:** Periodically check all water connections and the unit itself for any signs of leaks. Address any leaks immediately.
- **Clean Exterior:** Wipe the exterior with a damp cloth to keep it clean. Do not use abrasive cleaners.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
No hot water	No power to unit	Check power cord, circuit breaker, and wall outlet.
No hot water	Temperature set too low	Increase temperature setting using the control knob.
Insufficient hot water	Sediment buildup in tank	Drain and flush the tank to remove sediment.
Insufficient hot water	Unit undersized for demand	Consider a larger capacity unit or using it as a booster for an existing system.
Water leaking from unit	Loose connections	Tighten all water connections. If leak persists, contact a professional.
Water leaking from unit	Faulty T&P relief valve	Test or replace the T&P relief valve.

8. SPECIFICATIONS

Feature	Detail
Brand	EcoSmart
Model	ECO MINI 2.5
Capacity	2.5 Gallons
Voltage	120 Volts

Feature	Detail
Wattage	1440 watts
Amperage Capacity	12 Amps
Efficiency	99.8%
Product Dimensions (W x H)	10.94" x 17"
Item Weight	15.8 pounds
Mounting Type	Wall
Certification	CSA

9. WARRANTY INFORMATION

The EcoSmart ECO MINI 2.5 water heater comes with a limited warranty:

- **Tank Leaks:** 6 years limited warranty.
- **Parts:** 2 years limited warranty.

Please retain your proof of purchase for warranty claims. For full warranty terms and conditions, refer to the documentation included with your product or visit the EcoSmart website.

10. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report an issue with your EcoSmart ECO MINI 2.5 water heater, please contact EcoSmart customer service. Have your model number and purchase date ready when contacting support.

For the most up-to-date contact information, please visit the official EcoSmart website.