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> KENUOS Mini Tank Water Heater Model TANK25DI Instruction Manual

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KENUOS Mini Tank Water Heater Instruction Manual

MODEL: TANK25DI

Introduction

This manual provides essential information for the safe and efficient operation of your KENUOS 2.5 Gallon Mini Tank Electric Water Heater. Please read these instructions thoroughly before installation and use, and retain them for future reference.

Safety Information

WARNING: Failure to follow these instructions could result in property damage, serious injury, or death.

- This appliance is intended for indoor use only.
- Ensure the unit is properly grounded.
- Do not operate the water heater if it is damaged or malfunctioning.
- Always disconnect power before performing any maintenance or service.
- Install a Temperature and Pressure (T&P) relief valve as specified in the installation section. Regularly check the T&P valve.
- In cold regions, empty the water heater when not in use to prevent freezing and damage.
- This water heater has passed UL, CE, and DOE certifications, ensuring safety and reliability.
- The unit features overheat protection.

Important Safety Components:



Image description: A close-up image highlighting the Safety Temperature Pressure (T&P) valve installed on top of the water heater, with a note emphasizing regular checks and draining in cold regions to prevent damage.

Product Overview

The KENUOS TANK25DI is a compact 2.5-gallon electric mini tank water heater designed for point-of-use applications. It provides rapid hot water supply for various needs, such as kitchen sinks, RVs, and bathrooms.



Image description: Front view of the KENUOS 2.5 Gallon Mini Tank Water Heater, displaying the LED temperature screen, heating and insulation indicators, and temperature control knob. The unit is gray with red and blue caps on top for hot and cold water connections, and a power cord extending from the side.

Key Features:

- **Rapid Heating:** 1500W heating power with an L-shaped 316 stainless steel heating tube for quick hot water (within 6 minutes).
- **Compact Design:** Measures approximately 11.5in x 11.5in x 10.5in, suitable for under-sink or wall-mounted installation.
- **Smart Control:** Visible LED temperature display and mechanical knob for adjustable temperature (89°F to 149°F). Automatic insulation mode.
- **Enhanced Safety:** UL, CE, and DOE certified, featuring overheat protection, pressure relief valve, and corrosion-resistant enamel coating.
- **Durable Construction:** Seamlessly welded high-strength body, enamel coating, and fluorine-free polyurethane insulation.
- **Complete Accessories:** Includes a 3-way diverter valve, two 2-foot 3/4" ID to 1/2" ID adapter hoses,

a T&P valve, and Teflon tape.

Installation Instructions

Important: Installation should be performed by a qualified professional or in accordance with local plumbing and electrical codes.

Mounting Options:

The water heater can be installed either wall-mounted or floor-mounted, depending on your space requirements.



Image description: A split image showing two installation methods for the KENUOS water heater. On the left, the unit is wall-mounted above a sink. On the right, it is floor-mounted under a sink. Both show the compact size and discreet placement options.

Connecting the Water Heater:

1. **Install T&P Valve:** Thread the provided Temperature and Pressure (T&P) relief valve into the designated opening on the top of the water heater (typically marked in red for hot water outlet). Ensure a watertight seal using Teflon tape.
2. **Connect Cold Water Inlet:** Connect the cold water supply line to the blue-capped inlet on the top of the water heater. Use one of the adapter hoses if necessary.
3. **Connect Hot Water Outlet:** Connect the hot water outlet (red-capped) to your faucet's hot water line. The included 3-way diverter valve can be used to split the hot water supply to multiple points if needed.
4. **Drain Tube:** Attach the clear drain tube to the T&P valve and route it to an appropriate drain, ensuring it is free from kinks.
5. **Fill the Tank:** Before plugging in the unit, open the hot water faucet to allow air to escape and the

tank to fill completely with water. Once water flows steadily from the faucet, close the faucet.

6. **Power Connection:** Plug the water heater into a grounded 110V-120V AC electrical outlet.



Image description: A diagram illustrating the plumbing connections for the KENUOS water heater under a double sink. It shows the cold water inlet, hot water outlet, and the T&P valve connection. Below the diagram, an accessories list displays two converter hoses, a safety valve (T&P valve), a fine water pipe, mounting kits, and a 3-way diverter valve.

Installation Video Guide:

For a visual guide on the installation process, please refer to the official installation video:

Your browser does not support the video tag.

Video description: This video demonstrates the step-by-step process of installing the KENUOS Mini Tank Water Heater, including connecting the T&P valve, water lines, and power. It also provides information on after-sales support.

Operating Instructions

Temperature Adjustment:

The water heater features an LED display and a mechanical knob for temperature control.

2.5 GALLON MINI TANK INSTANT WATER HEATER

11.4"*11.4"*10.4"(28.8*28.8*26 cm)



TECHNICAL FEATURES OF THE PRODUCT

Capacity	2.5 Gallons	Cord Length	2.9 ft
Rated Power	1500W	Water Fitting	1/2 NPT
Rated Frequency	50 Hz/60 Hz	Temperature Range	86-150°F
Rated Current	12.5 Amps	Item Dimensions	11.4"*11.4"*10.4"
Rated Voltage	110V-120V AC	Suggested Installation Space	16*16*15 inch
Maximum Pressure	108PSI		

Image description: A detailed view of the KENUOS water heater's front panel, showing the LED display indicating 104°F, and the temperature control knob. The image also includes a table of technical specifications such as capacity, rated power, voltage, and temperature range.

- Power On:** After proper installation and filling the tank with water, plug in the unit. The LED display will illuminate.
- Set Temperature:** Rotate the mechanical knob to adjust the desired water temperature. The adjustable range is from 89°F to 149°F.
- Heating Indicator:** A red light labeled "HEATING" will illuminate when the unit is actively heating the water.
- Insulation Indicator:** A green light labeled "INSULATION" will illuminate when the water has reached the set temperature and the unit is maintaining it. The built-in smart chip automatically switches to insulation mode.



Image description: A graphic illustrating the adjustable temperature knob on the KENUOS water heater, showing a range from OFF to HIGH, corresponding to 86°F-149°F. The LED display shows "113" degrees Fahrenheit.

Maintenance

Regular maintenance ensures optimal performance and longevity of your water heater.

- **Drain and Flush:** Periodically drain and flush the tank to remove sediment buildup. This is especially important in areas with hard water.
- **T&P Valve Check:** Manually operate the T&P relief valve at least once a year to ensure it is functioning correctly. Follow the manufacturer's instructions for the valve.
- **Inspect Connections:** Regularly check all water connections for leaks and tighten if necessary.
- **Clean Exterior:** Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners.
- **Winterization:** If the water heater will be exposed to freezing temperatures, drain the tank completely to prevent damage.

Troubleshooting

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

- **No Hot Water:**
 - Check if the unit is plugged in and receiving power.
 - Ensure the circuit breaker has not tripped.
 - Verify the temperature setting is not set to "OFF" or too low.
 - Confirm the tank is full of water.
- **Water Not Hot Enough:**
 - Increase the temperature setting using the control knob.
 - Allow sufficient time for the water to heat up, especially after initial fill or heavy use.
- **Leaking:**
 - Check all plumbing connections for tightness.
 - Inspect the T&P valve for drips; this may indicate excessive pressure or a faulty valve.
 - If the leak persists, disconnect power and water supply, then contact customer support.
- **Unusual Noises:**
 - Popping or rumbling sounds may indicate sediment buildup in the tank. Refer to maintenance instructions for draining and flushing.

Specifications

Feature	Specification
Brand	KENUOS
Model Number	TANK25DI
Capacity	2.5 Gallons
Rated Power	1500W
Voltage	110V-120V AC
Rated Frequency	50 Hz/60 Hz
Temperature Range	89°F - 149°F

Maximum Flow Rate	0.45 Gallons Per Minute
Maximum Operating Pressure	116 PSI
Thermal Efficiency	98%
Product Dimensions (W x H x D)	11.4" x 11.4" x 10.5"
Item Weight	9.88 pounds
Mounting Type	Wall-Mounted, Floor-Mounted
Special Features	LED Display, Overheat Protection, Pressure Release Valve, Waterproof
Certifications	UL, CE, DOE

Warranty and Support

For any questions, technical assistance, or warranty claims, please contact KENUOS customer support.

Email: yuntaizai202006@163.com

Please have your model number (TANK25DI) and purchase information ready when contacting support.