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› KENUOS 2.5 Gallon Mini Tank Water Heater Instruction Manual (Model WTank25DI)

KENUOS WTank25DI

KENUOS 2.5 Gallon Mini Tank Water Heater Instruction Manual

Model: WTank25DI

1. INTRODUCTION

This manual provides essential information for the safe installation, operation, and maintenance of your KENUOS 2.5 Gallon Mini Tank Water Heater, Model WTank25DI. This compact electric water heater is designed to provide instant hot water for various applications, including under-sink installations in kitchens, bathrooms, and RVs.

Key features include a 2.5-gallon capacity, 1500W heating element, LED temperature display, and a compact design for space-saving installation.



Image 1.1: Front view of the KENUOS 2.5 Gallon Mini Tank Water Heater with LED display.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation to prevent injury or property damage.

- **Electrical Safety:** The unit requires a 110V/120V AC voltage supply. A dedicated 15 amp circuit breaker is recommended. Ensure proper grounding. The product features a UL-certified plug for electrical safety.
- **Water Pressure and Temperature:** The integrated Temperature and Pressure (T&P) valve protects the water heater by automatically releasing pressure if internal temperature or pressure becomes excessively high. Do not obstruct or

remove this valve. The maximum operating pressure is 108 PSI.

- **Overheat Protection:** The water heater includes overheat protection and flame-retardant properties for enhanced safety.
- **Water Filling:** Always ensure the tank is completely filled with water before plugging in the unit for the first time to prevent damage to the heating element.
- **Installation:** Installation should be performed by a qualified professional if you are unsure about plumbing or electrical connections.

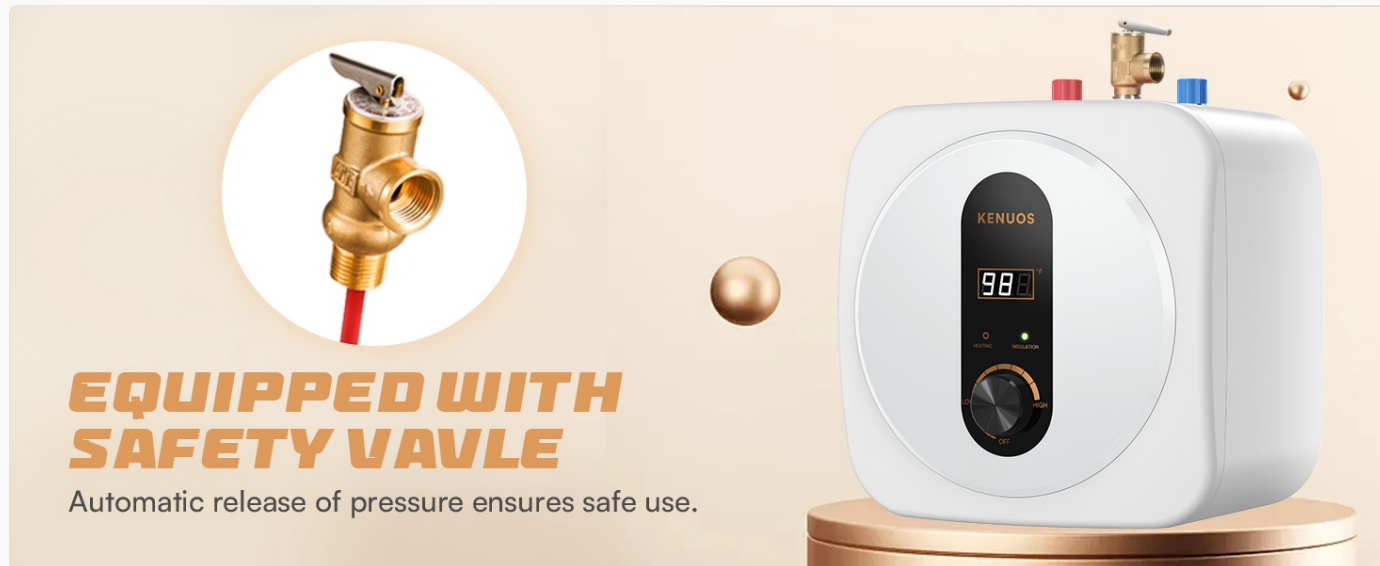


Image 2.1: The water heater is equipped with a safety valve for automatic pressure release.

(54) **WATER HEATER TANK**

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(72) Inventor: **Zibin Rui, Bozhou (CN)**

(**) Term: **15 Years**

(21) Appl. No.: **29/954,022**

(22) Filed: **Jul. 25, 2024**

(51) **LOC (15) CL.** **23-03**

(52) **U.S. CL.**

USPC **D23/318; D23/320**

(58) **Field of Classification Search**

USPC D23/314-321, 341, 202, 325, 333, 351,
D23/355-360, 323, 386; D15/150

CPC F24H 1/00; F24H 1/0036; F24H 15/215;
F24H 9/142; F24H 9/06; F24H 9/02;
F24H 1/08; F24H 1/10; F24H 1/101;
F24H 9/2028; F24H 15/37; F24H 15/174;
F24H 1/186; F24H 9/17; F24H 9/16;
F24H 9/2035; F24H 9/2021; F24H 1/205;
F24H 15/31; F24H 15/223; F23N 1/082;
F23L 7/005; F24F 13/222; F28F 17/005;
F25D 2321/144

See application file for complete search history.

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(57) **CLAIM**

The ornamental design for a water heater tank, as shown and described.

DESCRIPTION

FIG. 1 is a front and top perspective view of the water heater tank;

FIG. 2 is a rear and bottom perspective view;

FIG. 3 is a front elevation view;

FIG. 4 is a rear elevation view;

FIG. 5 is a left elevation view;

FIG. 6 is a right elevation view;

FIG. 7 is a top plan view thereof; and,

FIG. 8 is a bottom plan view.

The broken lines in the drawings illustrate the portions of the water heater tank which form no part of the claimed design.

1 Claim, 8 Drawing Sheets

The product has applied for a US patent, please automatically remove the infringing product from the shelves. Starting from November 20, 2025, complaints or lawsuits will be filed against all infringements.

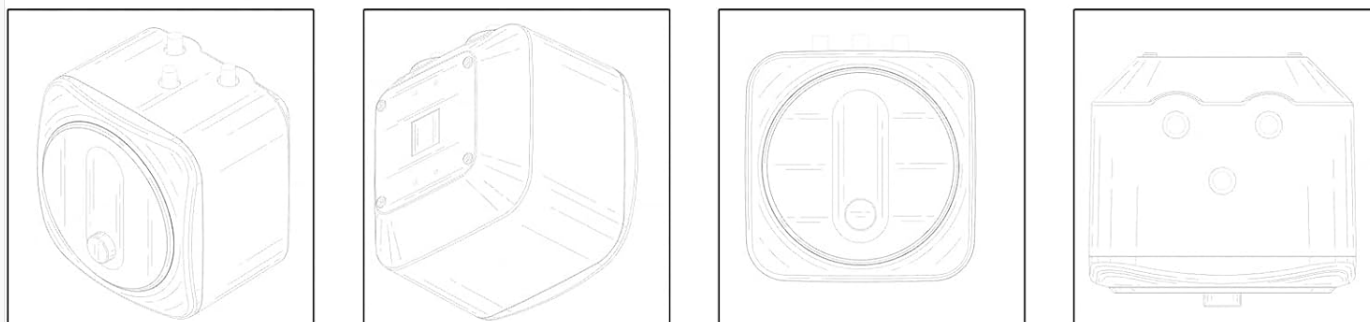


Image 2.2: Connection points for 1/2" NPT fittings and UL certification mark.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

- KENUOS 2.5 Gallon Mini Tank Water Heater (with LED Display) x 1
- Temperature and Pressure (T&P) Valve x 1
- 3-Way Fitting Valve x 1
- Conversion Water Pipes (Female to Female) x 2
- Water Guide Pipe x 1

- Mounting Kits x 1 (includes screws and anchors)

FAST HEATING AND RAPID RECOVERY

temperature range from 86°F to 149°F



Image 3.1: Overview of the water heater and included installation accessories.

4. SPECIFICATIONS

Feature	Specification
Brand	KENUOS
Model Number	WTank25DI
Capacity	2.5 Gallons

Wattage	1500 Watts
Voltage	120 Volts (AC)
Temperature Range	86°F to 149°F (30°C to 65°C)
Product Dimensions (W x H x D)	11.4" x 11.4" x 11"
Item Weight	8 pounds
Maximum Operating Pressure	108 PSI
Mounting Type	Wall-Mounted / Floor-Mounted
Special Features	LED Display, Overheat Protection, Pressure Release Valve, Waterproof (IPX4)
Connection Thread Size	1/2" NPT



Image 4.1: Product dimensions and connection details.

5. INSTALLATION

The KENUOS Mini Tank Water Heater can be installed under a sink, on a wall, or on the floor. Ensure the installation area is adequately sized (recommended 17"x17"x16") and has sufficient drainage.

5.1 Mounting Options

- **Wall-Mounted:** Use the provided mounting kit to securely attach the unit to a sturdy wall surface.
- **Floor-Mounted:** Place the unit on a stable, level surface.

5.2 Plumbing Connections

1. Identify the cold water inlet (blue) and hot water outlet (red) on the top of the unit.
2. Install the Temperature and Pressure (T&P) valve into the designated port. Ensure it is properly sealed.
3. Connect the cold water supply line to the cold water inlet using 1/2" NPT fittings.

4. Connect the hot water outlet to your fixture's hot water line. The 3-way fitting valve can be used to divert water to two sinks if needed.
5. Once all plumbing connections are secure, open the hot water faucet at your fixture to allow air to escape and the tank to fill completely with water. Do not proceed to electrical connection until water flows freely from the hot water faucet.

5.3 Electrical Connection

1. Ensure the water heater is completely filled with water before connecting to power.
2. Plug the UL-certified power cord into a grounded 110V/120V AC outlet. A dedicated 15 amp circuit is recommended.

UNDER SINK TANK WATER HEATER

Supports wall-mounted and floor-mounted, suitable for more occasions



Image 5.1: Typical installation locations for the under-sink water heater.

6. OPERATION

6.1 Power On/Off

Once properly installed and filled with water, plug in the unit. The LED display will illuminate, showing the current water temperature.

6.2 Temperature Adjustment

Use the control knob on the front panel to adjust the desired water temperature. The temperature range is from 86°F to 149°F (30°C to 65°C). Turn the knob towards 'HIGH' for hotter water and 'LOW' for cooler water.



Image 6.1: Temperature adjustment range and control knob.

6.3 Heating and Insulation

The 1500W heating element provides rapid heating, typically reaching desired temperatures within 4 to 6 minutes. An intelligent temperature control chip automatically maintains the set temperature by entering a heat preservation mode, aided by non-toxic flame-retardant polyurethane foam insulation.



MEET THE HOT WATER NEEDS OF MULTIPLE OCCASIONS



Dish Washing



Wash Vegetable



Wash Face



Salon



Brush Teeth

Image 6.2: The water heater provides hot water for multiple daily uses.

7. MAINTENANCE

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

- **Periodic Inspection:** Regularly check for any leaks around connections or the T&P valve. Address any leaks promptly.
- **T&P Valve Test:** Test the T&P valve annually by lifting the lever. Water should discharge from the drain pipe. If no water discharges, or if the valve does not reset, replace it immediately.
- **Cleaning:** Clean the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Draining (if necessary):** If the unit will be unused for an extended period in an area subject to freezing temperatures, it

should be drained. Disconnect power, close the cold water supply, and open a hot water faucet to relieve pressure. Then, open the drain valve (if present) or disconnect a cold water line to drain the tank.

8. TROUBLESHOOTING

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

- **No Hot Water:**
 - Check if the unit is plugged in and receiving power.
 - Verify the circuit breaker has not tripped.
 - Ensure the tank is full of water.
 - Confirm the temperature setting is not on 'OFF' or too low.
- **Water Not Hot Enough:**
 - Adjust the temperature knob to a higher setting.
 - Allow sufficient time for the water to heat up (4-6 minutes).
 - Check if the cold water inlet valve is fully open.
- **Leaking:**
 - Inspect all plumbing connections for tightness. Tighten if necessary.
 - Check the T&P valve for proper installation and function. If it is continuously dripping, it may need replacement or the water pressure is too high.
- **Unusual Noises:**
 - Minor popping or hissing sounds are normal during heating due to water expansion. Loud or persistent noises may indicate sediment buildup, which may require professional servicing.

If the problem persists after attempting these solutions, please contact customer support.

9. WARRANTY AND CUSTOMER SUPPORT

For warranty information, please refer to the documentation included with your purchase or contact KENUOS customer support directly. Keep your purchase receipt as proof of purchase.

For technical assistance, troubleshooting beyond this manual, or to inquire about replacement parts, please contact KENUOS customer support through the retailer where the product was purchased or visit the official KENUOS website.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How do I drain and clean the KENUOS WTank25DI Mini Tank Water Heater if the water has an odor?

If your water has an odor, it is often caused by sediment buildup or stagnant water. To address this with your KENUOS WTank25DI, you should drain and flush the tank. Follow these steps: Disconnect Power:...

[Read full answer](#)