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› [Thermoflow Electric Mini Tank Water Heater 4.0 Gallon User Manual](#)

thermoflow UT15N3

Thermoflow Electric Mini Tank Water Heater

Model: UT15N3 (4.0 Gallon, 120V)

PRODUCT OVERVIEW

The Thermoflow Electric Mini Tank Water Heater is designed to provide instant hot water at the point of use, eliminating wait times for hot water at your sink. With a 4.0-gallon capacity, this compact unit is ideal for under-sink installation in various settings.



Image: Front view of the Thermoflow 4.0 Gallon Electric Mini Tank Water Heater, showing its compact white design and power cord.

Key features include a durable stainless steel tank for reduced corrosion, high thermal efficiency for energy saving, and built-in safety mechanisms such as overheat protection. Its compact dimensions allow for flexible installation in kitchens, bathrooms, or other areas requiring immediate hot water access.

SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation to prevent injury or property damage. Keep this manual for future reference.

- Ensure the unit is installed by a qualified professional in accordance with local plumbing and electrical codes.
- Do not operate the water heater if it is damaged or malfunctioning.
- Always disconnect power before performing any maintenance or service.
- The unit is equipped with overheat protection and an auto cut-off electricity feature if no hot water comes out.
- The unit has an IPX24 waterproof rating.
- Maximum operating pressure is 150 PSI. Ensure your water supply pressure does not exceed this limit.

INSTALLATION

The Thermoflow Mini Tank Water Heater is designed for under-sink installation, providing hot water directly where it's needed. It can be floor-mounted or surface-mounted.

Pre-Installation Checklist:

- Verify that the model (4.0 Gallons) is suitable for your hot water needs and electrical requirements.
- Ensure adequate space for the unit: 18 inches (H) x 12.2 inches (W) x 11 inches (D).
- Confirm electrical supply: 120 Volts, 1.5 kW (1500 watts), nominal current 13A. The unit comes with a 2.6ft cord for plug-in use.
- Water connections are 1/2 inch NPT.
- Ensure access to a suitable drain for the pressure relief valve.

Compact for Multiple Scenes

Size

18"H x 12.2"W x 11"D

Power

1.5kw

Volts

120V

Temperature

45°F-167°F



Image: Visual representation of the water heater's dimensions (18"H x 12.2"W x 11"D) and examples of its compact placement in a kitchen, laundry room, and bathroom setting.

Included Components:

- 1x 4 Gallons mini tank water heater
- 2x 1/2 inch brass bushings
- 1x Instruction manual (this document)

Instruction Manual



Warranty Card

thermoflow WARRANTY CARD

This warranty card is an efficient guarantee for warranty support to customers from Junsky America Inc.

Company: Junsky America Inc.
Address: 36 South 18th Avenue Suite A
Brighton, CO 80601
United States
Tel: +1(970)5352645
Email: thermoflow.us@outlook.com

1/2" NPT Brass Bushings



Relief Valve



Gaskets



1/2" NPT Connector



Image: The instruction manual, warranty card, 1/2 inch NPT brass bushings, relief valve, gaskets, and 1/2 inch NPT connector included with the water heater.

Connection Diagram:

The water heater can be connected to a single faucet or in-line with another water heater to boost hot water supply. Ensure proper connection of cold and hot water lines.

Single Faucet & Booster Installation

The mini tank water heater can be connect with single Faucet or inline with another water heater to provide hot water.

→→→→ The cold water
→→→→ The hot water



Image: Diagram illustrating two installation methods: connecting the mini tank water heater directly to a single faucet, and connecting it in series with an existing water heater to boost hot water.

For detailed plumbing connections, refer to the diagram below for the relief valve and brass bushing installation. Use the provided gaskets for a proper seal; do not use thread tape with the included fittings as they are designed for rubber seals.



Image: Close-up diagram showing the correct assembly of the water relief valve, gasket, connector (1/2 inch NPT), and 1/2 inch NPT brass bushing to the water heater's inlet and outlet ports.

Plug in to Use



Image: The Thermoflow mini tank water heater shown plugged into a standard electrical outlet, indicating its simple plug-and-use electrical connection.

OPERATING INSTRUCTIONS

The Thermoflow mini tank water heater is designed for user-friendly operation with an adjustable temperature setting.

Temperature Control:

The unit features a rotary dial for temperature adjustment, ranging from 45°F to 167°F (7.2°C to 75°C). A working indicator light illuminates when the heater is active. An energy-saver mode is also available.

Adjustable Temperature Setting

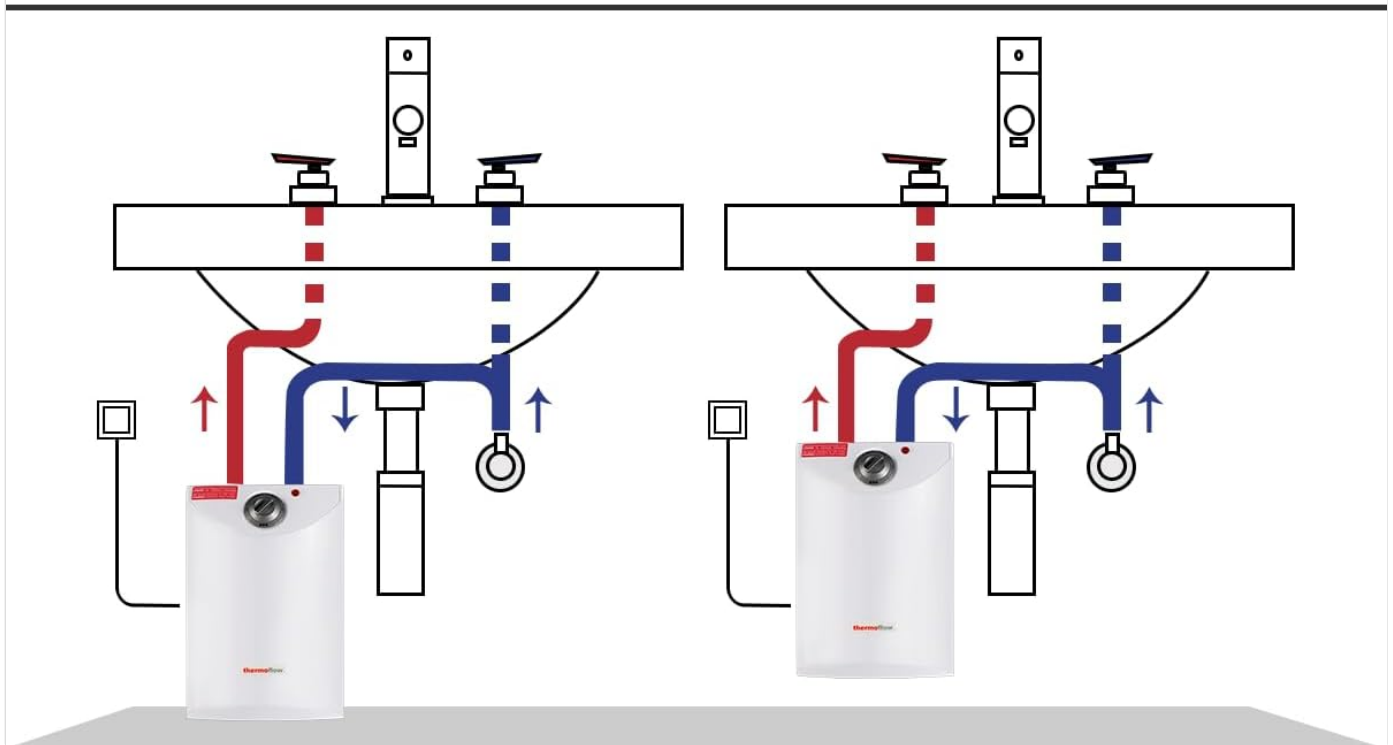
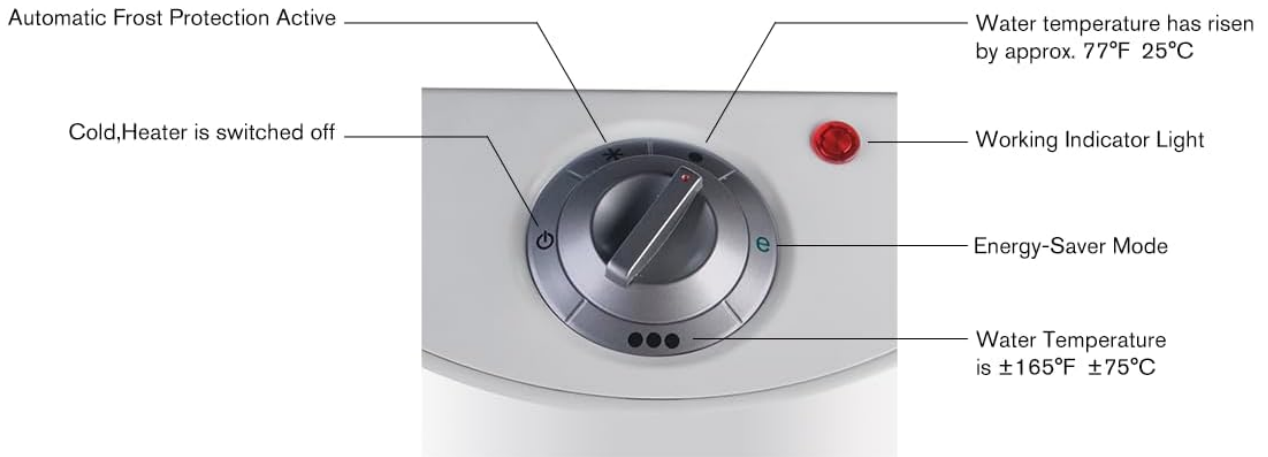


Image: Detailed view of the control panel, showing the adjustable temperature dial, working indicator light, and settings for automatic frost protection and energy-saver mode.

The heater also includes an automatic frost protection feature, which activates when the water temperature drops to approximately 77°F (25°C) to prevent freezing.

Typical Usage Scenarios:

This mini tank water heater provides immediate hot water for various daily tasks, enhancing convenience and comfort.

Enjoy Hot Water at Sink



Hot Water Washing



Hot Water Dishing



Hot Water Brushing



Wash Vegetables



Image: Collage showing different applications of the hot water provided by the unit, including washing hands, brushing teeth, washing dishes, and cleaning vegetables.

MAINTENANCE

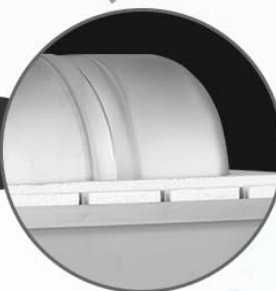
Regular maintenance ensures the longevity and efficient operation of your ThermoFlow water heater. The unit features a stainless steel tank designed to reduce corrosion and maintenance needs.

- **Annual Inspection:** It is recommended to have a qualified technician inspect the unit annually.
- **Pressure Relief Valve:** Periodically check the pressure relief valve for proper operation. Refer to local codes for specific testing requirements.
- **Cleaning:** If water quality is poor, sediment may accumulate. Consult a professional for tank flushing if necessary.
- **Exterior Cleaning:** Clean the exterior with a soft, damp cloth. Do not use abrasive cleaners.

Food Grade 304 Stainless Steel Material



1500W 304 stainless steel heating tube, high efficiency heating



304 stainless steel water tank, anti-corrosion and no more leaking.



High quality 304 stainless steel water inlet and outlet, longer life service



Durable



Immediate Heating



Thermal Insulation



Energy Saving



Safety

Image: Diagram illustrating the internal components, including the 1500W 304 stainless steel heating tube, 304 stainless steel water tank, and high-quality 304 stainless steel water inlet and outlet, all designed for durability and corrosion resistance.

TROUBLESHOOTING

If you experience issues with your Thermoflow Electric Mini Tank Water Heater, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No hot water or insufficient hot water.	No power to the unit. Temperature setting too low. Overheat protection activated. Unit size inadequate for demand.	Check power connection and circuit breaker. Adjust temperature dial to a higher setting. Reset the unit (if applicable, check manual for reset button location). Ensure the unit's capacity meets your hot water needs.
Water is too hot (scalding).	Temperature setting too high. Faulty thermostat.	Lower the temperature setting. If problem persists, contact customer support.
Water leakage.	Loose connections. Faulty pressure relief valve. Internal tank issue.	Check and tighten all plumbing connections. Ensure gaskets are properly seated. Inspect the pressure relief valve; replace if necessary. If leakage is from the unit itself, discontinue use and contact customer support.

For issues not covered here, or if troubleshooting steps do not resolve the problem, please contact Thermoflow customer support.

SPECIFICATIONS

Feature	Detail
Brand	thermoflow
Model Number	UT15N3
Capacity	4.0 Gallons
Product Dimensions (W x H x D)	12.2" x 18" x 11"
Item Weight	13.16 pounds
Color	White
Wattage	1500 watts
Voltage	120 Volts
Nominal Current	13A
Maximum Temperature	167 Degrees Fahrenheit (75°C)
Temperature Range	45-167 Degrees Fahrenheit (7.2°C - 75°C)
Heat Output	1500 Watts
Efficiency	High (up to 98% thermal efficiency)
Maximum Operating Pressure	150 Pound per Square Inch (PSI)

Feature	Detail
Mounting Type	Floor mount or surface mount
Installation Method	Floor-Mounted
Water Connections	1/2 inch NPT
Special Features	Quickly Hot Water Supply, Compact Size, Two Modes Optional, Over-heat protection, Auto cut-off electricity, IPX24 waterproof
Included Components	1X 4 Gallons mini tank water heater, 2X 1/2 inches brass bushings, 1X instruction manual
UPC	630792535352

WARRANTY AND SUPPORT

Thermoflow is committed to providing quality products and customer satisfaction. This product comes with a warranty. Please refer to the warranty card included with your purchase for specific terms and conditions.

For technical support, warranty claims, or any inquiries regarding your Thermoflow Electric Mini Tank Water Heater, please contact:

- **Company:** Junskey America Inc. (Manufacturer of Thermoflow products)
- **Email:** thermoflow.outlook.com
- **Phone:** +1 (970) 330-2645

When contacting support, please have your model number (UT15N3) and purchase date available.