

Ganggend G25

Ganggend 2.5 Gallon Electric Mini Tank Water Heater: User Manual and Installation Guide

Model: G25

1. INTRODUCTION

Thank you for choosing the Ganggend 2.5 Gallon Electric Mini Tank Water Heater. This manual provides essential information for the safe installation, operation, and maintenance of your new water heater. Please read all instructions carefully before installation and use to ensure proper function and safety.

This compact electric water heater is designed to provide hot water quickly and efficiently, making it ideal for under-sink installations in kitchens, bathrooms, RVs, and other small spaces.

2. SAFETY INFORMATION

Your safety and the safety of others are paramount. Please observe all safety warnings and instructions in this manual to reduce the risk of fire, electric shock, or injury.

- **Overheat Protection:** The unit is equipped with an automatic shut-off to prevent overheating.
- **Pressure Release Valve:** An included pressure relief valve provides essential protection against excessive pressure buildup. Ensure it is correctly installed and maintained.
- **Leakproof Design:** Designed with leak prevention features, but proper installation is crucial to prevent water damage.
- **IPX4 Waterproof:** Provides protection against splashing water.
- **Burn Dry Protection:** Prevents the heating element from operating without water in the tank.
- **UL Certificated:** This product meets recognized safety standards.

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Refer to this manual. For assistance or additional information, consult a qualified installer or service agency.

High-quality Material For Your Safety



CPC-Free Foam

Thermal Insulation And Heat Preservation

Low-Carbon Stainless Steel

Resistant To Pressure And Explosion

Enamel Coating

Anti-corrosion And Rust Prevention

High Temperature Calcination Coating

Scale And Heat Resistant



Image: Multi-protection features of the Ganggend water heater, highlighting safety mechanisms like overheat protection and IPX4 waterproofing.

3. PRODUCT COMPONENTS AND OVERVIEW

Familiarize yourself with the main components of your Ganggend water heater:

Two Types Of Mounting

Compact size, save space, easy to install



Image: Labeled diagram of the Ganggend 2.5 Gallon Electric Mini Tank Water Heater, showing the T&P Relief Valve, Hot Water Outlet, Cold Water Inlet, Thermostat, and LED Display.

- **T&P Relief Valve:** Provides overheating and overpressure protection. Connects to a 3/4" NPT discharge line.
- **Hot Water Outlet:** 1/2" NPT connection for hot water supply.
- **Cold Water Inlet:** 1/2" NPT connection for cold water supply.
- **LED Display:** Shows the current water temperature.
- **Thermostat Knob:** Allows adjustment of the desired water temperature.

High-Quality Internal Construction For Hot Water And Safety

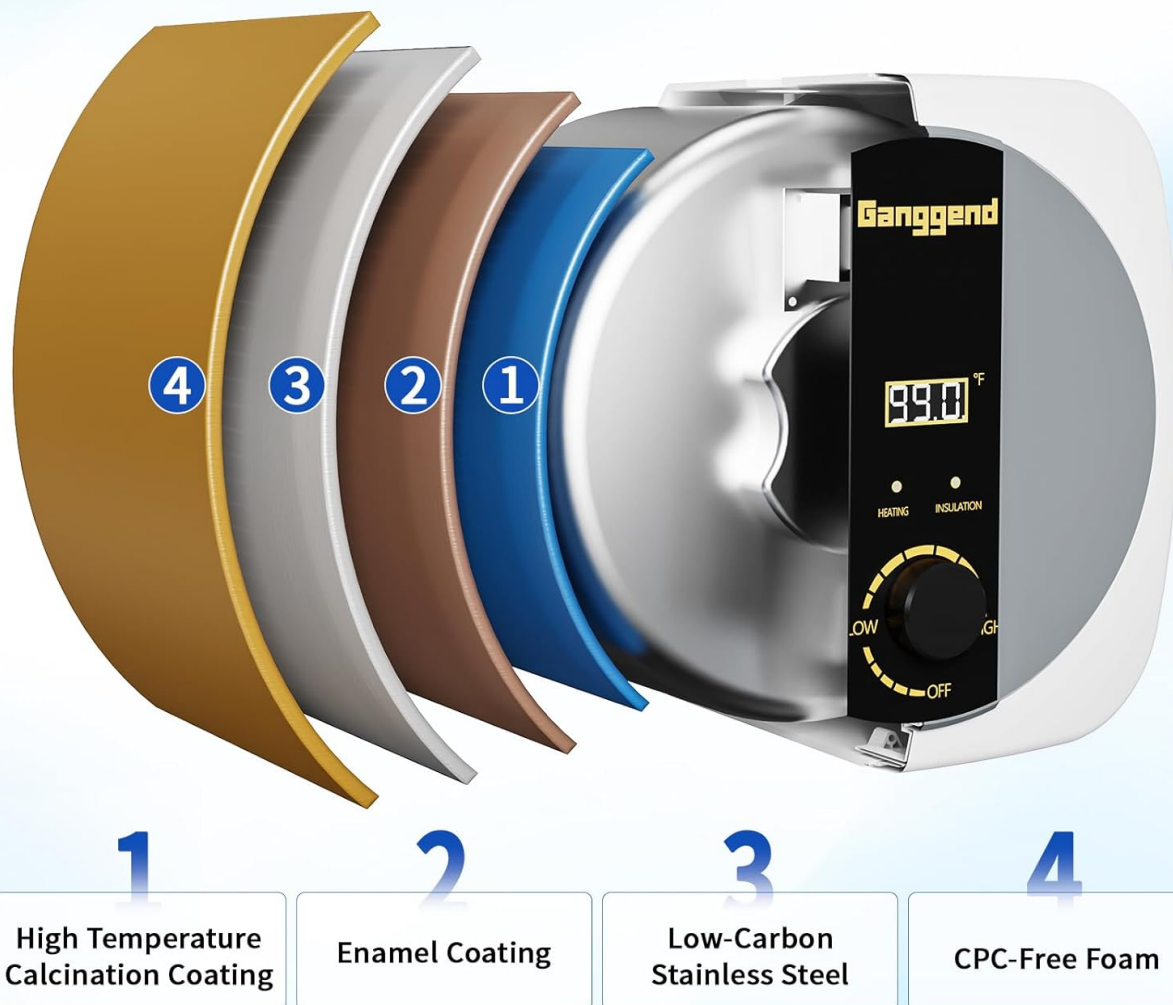


Image: Internal construction layers of the Ganggend water heater, illustrating the high-quality materials used for durability and insulation. The internal tank features multiple layers for durability and efficiency:

1. High Temperature Calcination Coating
2. Enamel Coating
3. Low-Carbon Stainless Steel
4. CPC-Free Foam (for thermal insulation)

4. INSTALLATION INSTRUCTIONS

This water heater is designed for easy installation, but professional plumbing and electrical knowledge are recommended. Ensure all local codes and regulations are followed.

4.1 Mounting Options

The compact design allows for flexible installation:

- Under-sink
- On shelves
- Wall-mounted (using included brackets)
- Floor-mounted

Multi-protection For Your Safety



Overheat Protection



IPX4 WaterProof



Pressure Release



UL Certificated



Leakage Protection



Burn Dry Protection

Image: Examples of floor-mounted and wall-mounted installations for the Ganggend water heater.

4.2 Plumbing Connections

1. Apply plumber's tape to all threaded connections to ensure a watertight seal.
2. Install the provided Pressure and Temperature (T&P) Relief Valve into the designated port on the top of the unit. Ensure the discharge line from the T&P valve is routed to an open drain.
3. Connect the cold water supply line (1/2" NPT) to the "Cold Water Inlet" port (typically blue).
4. Connect the hot water outlet line (1/2" NPT) to the "Hot Water Outlet" port (typically red).
5. Once all connections are secure, slowly open the cold water supply valve to fill the tank. Open a hot water faucet in your sink to allow air to escape from the tank. Close the faucet once water flows steadily.
6. Check all connections for leaks. Tighten as necessary.

4.3 Electrical Connection

- Ensure the power supply matches the unit's requirements: 110V/120V, 1500W.
- The water heater comes with a 3-foot power cord for plug-in connection. Connect to a grounded outlet.
- Do not turn on the power until the tank is completely filled with water.

4.4 Installation Video Guide

For a visual guide on installation, please watch the official Ganggend video:

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Video: Official Ganggend installation guide for the 2.5 Gallon Electric Mini Tank Water Heater, demonstrating plumbing and electrical connections.

5. OPERATING INSTRUCTIONS

Once installed and filled with water, your Ganggend water heater is ready for operation.

5.1 Power On

Plug the unit into a grounded 110V/120V outlet. The digital display will illuminate.


5.2 Temperature Adjustment

Use the mechanical knob on the front panel to set your desired water temperature. The temperature range is from 86°F to 149°F. The digital display will show the current water temperature.

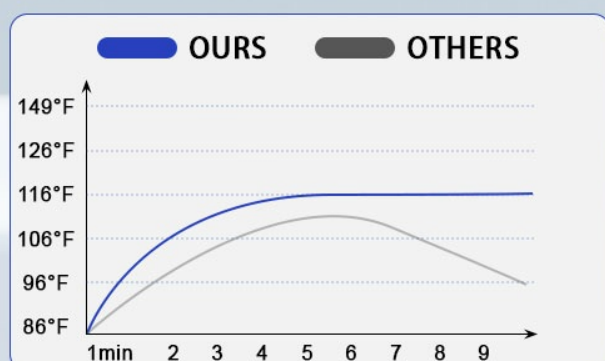
Intelligent Temperature Control & Energy Saving

As long as you set a temperature, this electric water heater can provide you hot water 24/7

- 6 minutes heating time
- 90% thermal efficiency
- long-lasting insulation



1500W



Time (min)	OURS (°F)	OTHERS (°F)
1	86	86
2	106	96
3	116	106
4	116	106
5	116	106
6	116	106
7	116	106
8	116	106
9	116	106

Image: Digital display and temperature adjustment knob, illustrating temperature visualization and suggested modes.

5.3 Indicator Lights

- **Heating Indicator:** Illuminates when the unit is actively heating water.
- **Insulation Indicator:** Illuminates when the unit is maintaining the set temperature (insulating).

5.4 Energy Efficiency

The water heater features 90% thermal efficiency and long-lasting insulation to minimize heat loss. It can heat water in approximately 6 minutes, consuming only about 0.15 kWh per heating cycle.

Ganggend

2.5 Gallon Mini Tank



Rated Voltage

110V/120V

Rated Power

1440W-1500W

Temperature Range

86°F to 149°F

Heating Time

6 Minutes

Image: Illustration of the water heater's intelligent temperature control and energy-saving capabilities.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan 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. Refer to a qualified plumber for this procedure.
- **Inspect T&P Valve:** Annually check the Pressure and Temperature Relief Valve to ensure it is operating correctly. Lift and release the lever on the valve to ensure water flows freely and then reseals. If it does not reseal, replace it immediately.
- **Clean Exterior:** Wipe the exterior with a damp cloth. Do not use abrasive cleaners.

7. TROUBLESHOOTING

If you encounter issues with your water heater, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No hot water	No power; thermostat set too low; heating element failure.	Check power connection and circuit breaker; adjust thermostat to a higher setting; contact customer support for element replacement.
Water not hot enough	Thermostat set too low; excessive hot water demand; sediment buildup.	Increase thermostat setting; allow more recovery time; drain and flush tank.
Water leaking	Loose plumbing connections; faulty T&P valve; tank leak.	Tighten connections; test/replace T&P valve; contact customer support for tank issues.
Noisy operation	Sediment buildup in tank.	Drain and flush the tank.

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

8. SPECIFICATIONS

Feature	Specification
Brand	Ganggend
Model Number	G25
Capacity	2.5 Gallons
Product Dimensions (W x H)	10.4" x 11.4"
Item Depth	10.4 inches
Item Weight	8.88 pounds
Wattage	1500 watts
Voltage	110 Volts
Maximum Temperature	149 Degrees Fahrenheit
Minimum Temperature	86 Degrees Fahrenheit
Heat Output	1500 Watts
Efficiency	90%
Maximum Operating Pressure	108 Pound per Square Inch
Mounting Type	Wall Mounted or Floor Mounted
Special Features	High Water Pressure Protection, LED Display, Overheat Protection, Pressure Release Valve
Included Components	Installation Bracket x 1, Screws x 2, Water Heater x 1, Pressure Release Valve x 1

Small Size And Flexible Position

- ✓ Rated Voltage: 110V/120V
- ✓ Temperature Range: 86°F to 149°F
- ✓ Rated Power: 1440W-1500W
- ✓ Heating Time : 6 Minutes

DIMENSIONS
11.4 "L x 11.4 "H x 10.4 "W



Image: Key specifications and dimensions of the Ganggend 2.5 Gallon Electric Mini Tank Water Heater.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact Ganggend customer service through the retailer where the product was purchased or visit the official Ganggend website.

Please have your model number (G25) and purchase date available when contacting support.