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› Agust 2.5-3.0 Gallon 1.5kW 110-120V Electric Mini-Tank Water Heater User Manual (Model AGU-001)

Agust AGU-001

Agust 2.5-3.0 Gallon 1.5kW 110-120V Electric Mini-Tank Water Heater User Manual

Model: AGU-001 | Brand: Agust

INTRODUCTION

This manual provides essential information for the safe installation, operation, and maintenance of your Agust 2.5-3.0 Gallon 1.5kW 110-120V Electric Mini-Tank Water Heater, Model AGU-001. Please read these instructions thoroughly before installation and use to ensure proper function and safety.

IMPORTANT SAFETY INFORMATION

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

- Always ensure the unit is properly grounded.
- Do not operate the water heater if it is damaged or malfunctioning.
- Installation must comply with all local plumbing and electrical codes.
- A pressure relief valve (safety valve) is critical for safe operation and **must** be installed at the cold water inlet (blue end) to prevent damage to the water heater and potential hazards.
- Ensure adequate ventilation if installed in an enclosed space.
- Never block the pressure relief valve or its discharge line.
- Regularly inspect the unit for leaks or signs of wear.

PRODUCT OVERVIEW

The Agust Mini-Tank Water Heater is designed to provide instant hot water at point-of-use locations, reducing wait times and conserving energy. Its compact design allows for installation under sinks, in RVs, or other small spaces.

Key Features:

- **Rapid Temperature Recovery:** 1500W "L" shaped heating element for quick heating (8-15 minutes for desired temperature).

- **Energy-Saving Smart Inverter:** Automatically maintains set water temperature and insulates to reduce energy consumption.
- **Durable Construction:** 0.04-inch (1.1mm) thick 304 stainless steel tank with laser welding for rust resistance and high pressure tolerance.
- **Digital Display:** LED screen for easy temperature monitoring and adjustment.
- **Compact Design:** Ideal for under-sink, kitchen, bar, hair salon, RV, and trailer installations.
- **Capacity:** 2.5-3.0 Gallon storage.
- **Maximum Temperature:** Up to 167°F (75°C).

Components Included:

- Agust Mini-Tank Water Heater Unit
- Mounting Kit (screws, brackets)
- Tee Valve
- 1/2" NPT and 3/8" OD Comp Hoses (2 PCs 16" long)
- Pressure Safety Valve
- Fine Water Pipe (drain hose)

2.5-3Gallon (AG-3.0) 1.5Kw&110/120v Tank Water Heater



Spare Part



Image 1: Agust Mini-Tank Water Heater showing overall dimensions (11.8"W x 14.4"H) and included spare parts like mount kits, tee valve, hoses, pressure safety valve, and fine water pipe.



Image 2: Cross-section view of the Agust water heater, highlighting the 0.043-inch (1.1mm) thick 304 stainless steel inner tank and CFC-Free foam insulation for heat preservation.

SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your water heater. If you are unsure about any steps, consult a qualified plumber or electrician.

Installation Location:

- The unit can be shelf, wall, or floor mounted. Mounting brackets are included.
- Ideal for point-of-use applications such as under kitchen sinks, in bathrooms, laundry rooms, bars, hair salons, RVs, and trailers.
- Ensure the location is protected from freezing temperatures.
- The unit requires a 120V AC power source.



Easily Mounted

36" (3-feet) Cord

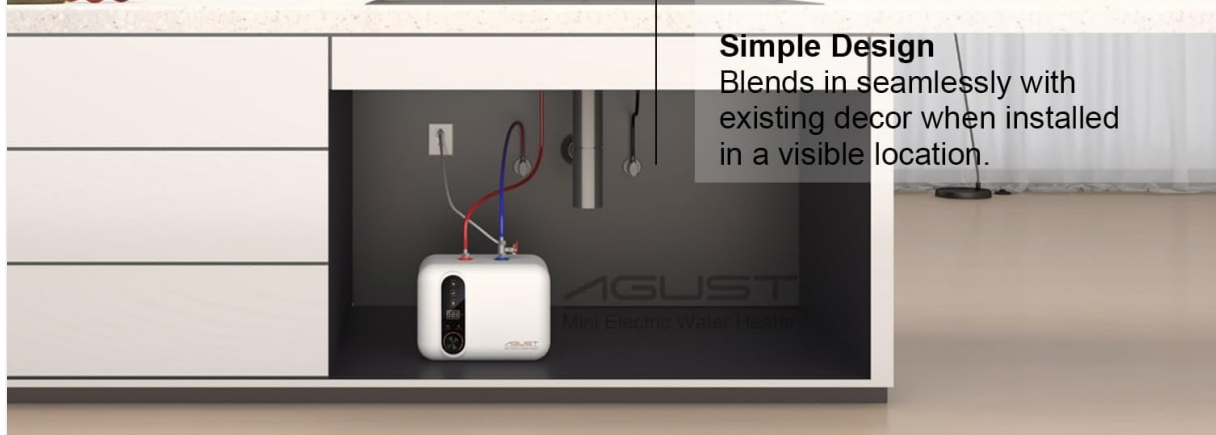
Plugs into a 120V outlet for installation independent of in-line large hot water source.

Shelf, Wall or Floor Mounted

(bracket included) Simply tap into the cold water line and install the water heater directly at the sink to provide hot water.

Simple Design

Blends in seamlessly with existing decor when installed in a visible location.



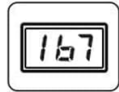
Instant Heating



Heat Stability



Advanced Flow Control



Max Temperature



IPX4 Waterproof



CSA Certificated

Image 3: Example installation of the Agust Mini-Tank Water Heater under a kitchen sink, showing its compact size and connection to existing plumbing.



3 Different Uses/ Applications

1. Supplement an existing water heater located far from the sink
2. Sole water heating source for a single sink
3. Act as a buffer installed in-line with tankless water heaters that experience intermittent cold water (also known as "cold water sandwiching")



Image 4: Illustrates three primary applications: supplementing an existing water heater, serving as the sole water heating source for a single sink, or acting as a buffer for tankless water heaters to prevent "cold water sandwiching."

Plumbing Connections:

1. **Install Pressure Relief Valve:** The pressure relief valve (safety valve) **must** be installed at the cold water inlet (blue end) of the water heater. Failure to do so will damage the water heater and void the warranty.
2. **Connect Cold Water Inlet:** Connect the cold water supply line to the blue inlet port (1/2" NPT) of the water heater.
3. **Connect Hot Water Outlet:** Connect the hot water outlet line from the red outlet port (1/2" NPT) of the water heater to your faucet's hot water supply.
4. **Drain Hose:** Install the clear drain hose to the pressure relief valve. This hose should be routed to a suitable drain to manage any drips or discharge.
5. **Fill the Tank:** Before plugging in the unit, open the hot water faucet at the sink to allow the tank to fill completely with water and purge any air. Close the faucet once water flows steadily.

Note: The included hoses are 16" long. Depending on your installation, you may need additional adapters (e.g., 1/2" to 3/8" compression fittings) or longer hoses. Use pipe thread tape on all 1/2" NPT connections. Do not use tape on 3/8" compression fittings.

2.5-3Gallon Tank Water Heater

Noet: The pressure relief valve (safety valve) must be installed at the inlet (blue end), otherwise it will damage the water heater.

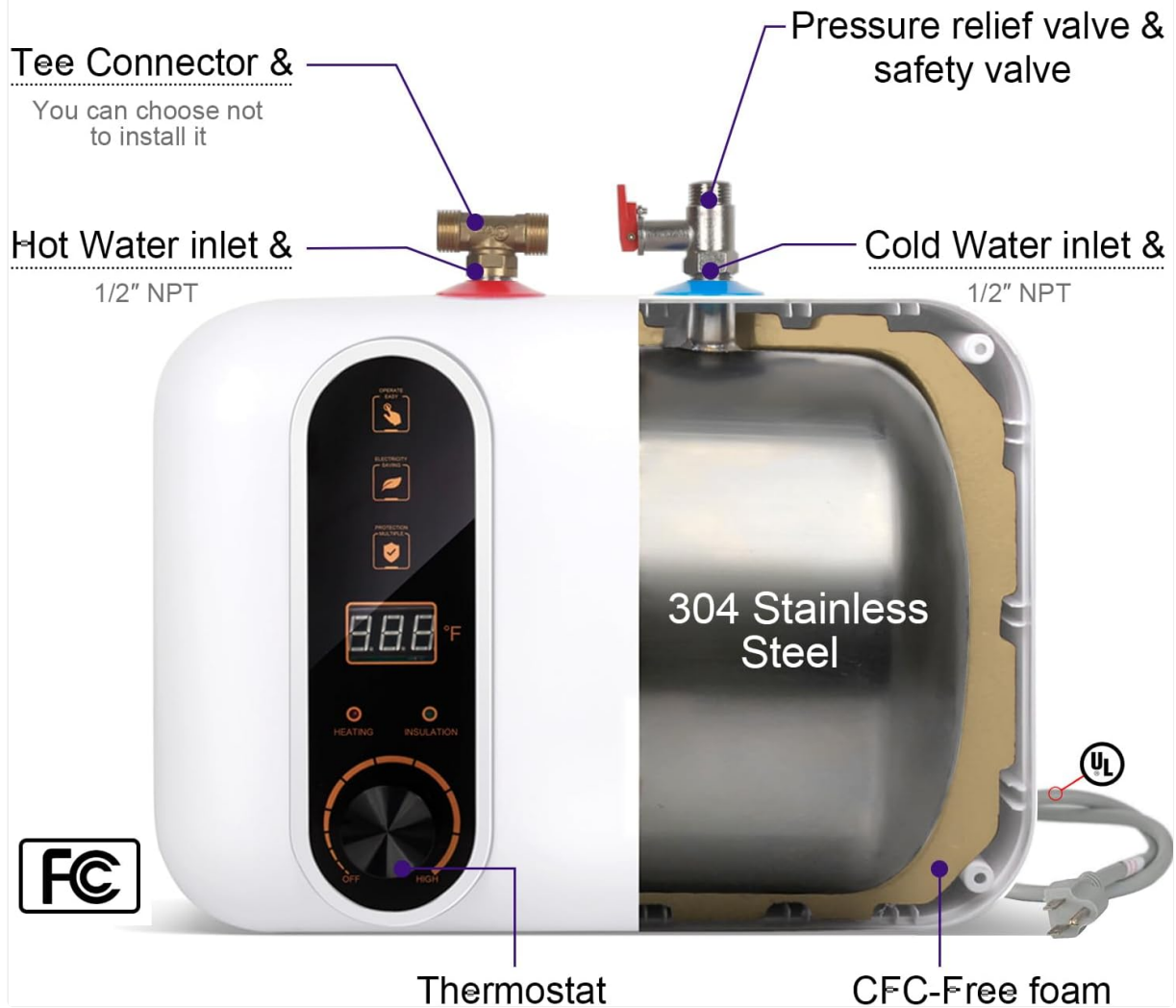
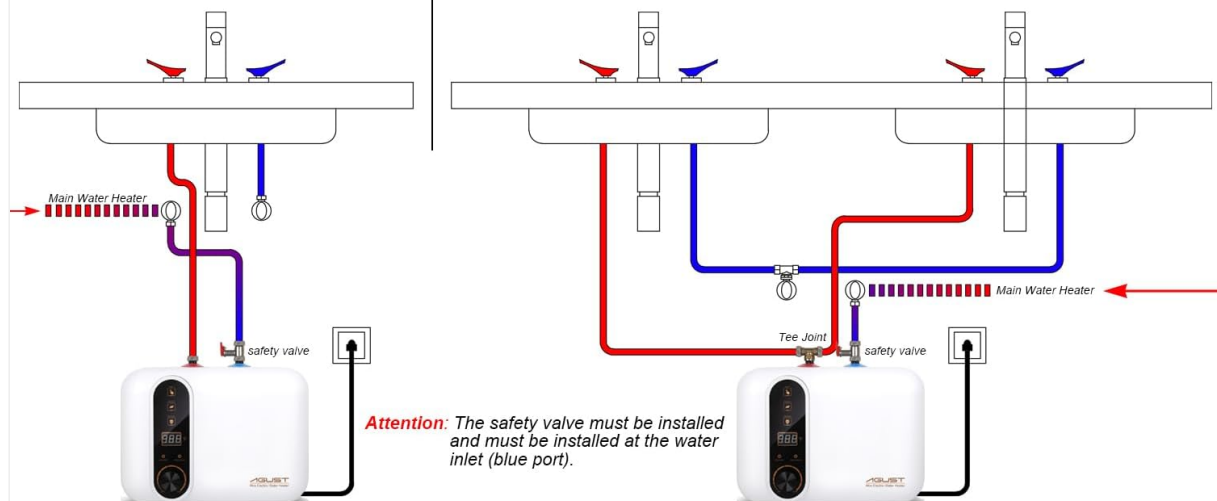


Image 5: Detailed view of the water heater's top connections, indicating the hot water inlet (red), cold water inlet (blue), pressure relief valve, and thermostat. Emphasizes correct placement of the pressure relief valve.

Installation Diagram



Hot Water Washing



Washing Fruit



Dish Washing



Dishwasher

Product Parameter

MODEL AG03
PIPES FITTING 1/2"NPT
WATER STORAGE 2.64gal
CABLE REQUIRED 10AWG

POWER 1.5kW
VOLTS 110/120V
THERMAL PEAK 167°F
WATER PRESSURE 0.75MPa

AMPERE 12.5A
BREAKER 20A
WEIGHT 9.81lb (4.45Kg)
DIMENSIONS 14.4"L×11.8"W×11.8"H

Image 6: Illustrates typical installation diagrams for connecting the water heater to a single sink and a dual-sink setup, showing water flow paths and safety valve placement.

Video: Installation Overview

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Video 1: This video demonstrates the unboxing and initial connection of the hoses and pressure relief valve to the Agust Mini-Tank Water Heater, providing a visual guide for the setup process.

OPERATING INSTRUCTIONS

- Power On:** After ensuring the tank is full of water, plug the unit into a 120V AC outlet. The LED display will illuminate.
- Set Temperature:** Use the control knob on the front panel to set your desired water temperature. The LED display shows the current temperature. The maximum temperature is 167°F (75°C).
- Heating Process:** The unit will begin heating the water. The 1500W element can heat water to the desired temperature in approximately 8-15 minutes, depending on the incoming water temperature and set point.
- Automatic Insulation:** Once the set temperature is reached, the built-in smart chip will automatically insulate the tank to maintain the heat, saving energy.
- Hot Water Delivery:** Open your hot water faucet. The unit is designed to provide hot water on demand for up to two sinks simultaneously.



- Digital Display
- Save Space
- Your Forever Companion
- The Kitchen Is Full Of Warmth
- No Longer Afraid Of Cold Water
- Take Care Of Your Hands

Image 7: Close-up of the Agust water heater's control panel, featuring the digital LED temperature display and the rotary knob for setting the desired water temperature.

Video: Operation in an RV/Van

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Video 2: This video shows the Agust water heater installed in a mobile setup, likely an RV or van, demonstrating its functionality and the digital temperature display during operation.

MAINTENANCE

Regular maintenance helps ensure the longevity and efficiency of your water heater.

- **Scale Buildup:** The smart inverter technology helps reduce scale buildup. However, in areas with hard water, periodic flushing of the tank may be beneficial. Consult a professional for descaling if necessary.
- **Pressure Relief Valve:** Annually test the pressure relief valve by lifting the lever. Ensure water flows freely and then reseal the lever. If water continues to drip, the valve may need replacement.
- **Leak Inspection:** Periodically check all connections and the unit itself for any signs of leaks. Address any leaks immediately to prevent water damage.
- **Cleaning:** Clean the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No hot water / Unit not heating	No power; unit not plugged in; circuit breaker tripped; unit not filled with water.	Check power connection; ensure unit is plugged in; reset circuit breaker; ensure tank is filled with water before powering on.
Water not hot enough	Temperature setting too low; high flow rate; incoming water too cold.	Increase temperature setting (note: LED display may be optimistic, adjust until desired temperature is reached); reduce water flow; allow more time for heating.
Water takes too long to heat	Temperature setting too low; high demand.	Ensure temperature is set appropriately. The unit heats in 8-15 minutes. If multiple points of use are active, recovery time may vary.
Water dripping from pressure relief valve	Normal operation (expansion); faulty valve; excessive water pressure.	A small amount of dripping is normal due to thermal expansion. Ensure the drain hose is properly routed. If dripping is continuous or excessive, test the valve or consult a plumber to check water pressure.
Unit shows signs of burning or melting	SEVERE ELECTRICAL FAULT. IMMEDIATE DANGER.	IMMEDIATELY DISCONNECT POWER. DO NOT ATTEMPT TO REPAIR. CONTACT QUALIFIED ELECTRICIAN AND MANUFACTURER. THIS IS A FIRE HAZARD.

SPECIFICATIONS

Feature	Detail
Brand	Agust
Model Number	AGU-001
Capacity	2.5 - 3.0 Gallons
Voltage	110-120 Volts
Wattage	1.5 KW (1500 Watts)
Maximum Temperature	167°F (75°C)
Product Dimensions (W x H)	11.8" x 14.4"
Item Weight	8.86 pounds
Tank Material	304 Stainless Steel (1.1mm thick)
Mounting Type	Wall, Shelf, or Floor
Special Feature	LED Display, Smart Inverter

WARRANTY AND SUPPORT

Agust provides a **2-year warranty** on the quality of this water heater. For any installation questions or product quality issues, please contact our customer support team. We are available online for 16 hours to assist you. Please refer to your purchase documentation for specific contact details.