

CGOLDENWALL ST-105

CGOLDENWALL 10.5KW Steam Generator Shower System Kit

Instruction Manual for Model ST-105

1. IMPORTANT SAFETY INFORMATION

Please read this manual thoroughly before installation and operation. Failure to follow these instructions may result in electric shock, fire, property damage, or personal injury. Retain this manual for future reference.

- **Electrical Safety:** Installation must be performed by a qualified electrician in accordance with all local and national electrical codes. Ensure the power supply is disconnected before any installation or maintenance.
- **Water Connections:** All plumbing connections must be watertight to prevent leaks. Use appropriate tools and sealing materials.
- **Ventilation:** Ensure adequate ventilation around the steam generator as specified in the installation guidelines.
- **Temperature:** Steam can cause severe burns. Exercise caution when using the steam shower. Do not touch the steam head directly.
- **Children and Pets:** Keep children and pets away from the steam generator and steam head during operation.

2. PRODUCT OVERVIEW

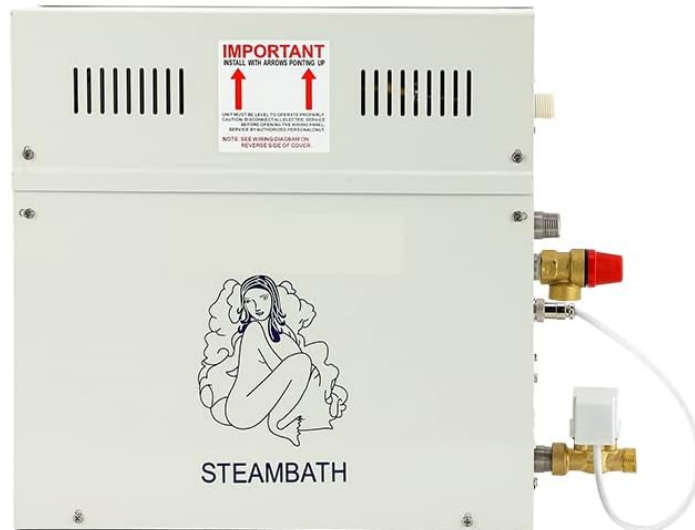
The CGOLDENWALL 10.5KW Steam Generator is designed to provide a luxurious steam bath experience. It features quick steaming, a waterproof digital control panel, and an automatic drain function for convenience and safety.

Key Features:

- **Quick Steaming:** Generates steam in 3-5 minutes.
- **Waterproof Digital Control:** Adjustable temperature range of 95-131°F.
- **Automatic Drain Function:** Drains 15 minutes after use, no manual drainage required.
- **Aromatherapy:** 360° round steam head with an aroma oil reservoir.
- **Safety Features:** Water shortage protection, overheat protection, tank pressure safety protection.

Components Included:

ACCESSORIES MAP



Main Machine



Digital Controller



Steam Nozzle



Drain Valve



Connecting Line



Temperatuer Probe Line



Safety Valve

Figure 2.1: Accessories Map. This image displays the main machine, digital controller, steam nozzle, drain valve, connecting line, temperature probe line, and safety valve, which are all included components.

- Steam Generator Main Unit
- Waterproof Digital Control Panel (ST-135)
- Aromatherapy 360° Round Steam Head
- Auto Drain Valve
- Temperature Probe Line
- Connecting Cable (32 feet)
- Safety Valve

3. INSTALLATION GUIDE

Proper installation is crucial for the safe and efficient operation of your steam generator. It is highly recommended that installation be performed by a licensed professional.

3.1 Choosing an Installation Location

The steam generator should be installed in a dry, accessible location, such as a vanity, closet, insulated attic, or basement. Ensure the location allows for proper ventilation and access for maintenance.

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Video 3.1: CGOLDENWALL Steam Shower Kit. This video demonstrates various installation locations for the steam generator, including inside a vanity, a closet, or an insulated attic, and shows the placement of the waterproof controller and steam nozzle.

3.2 Electrical Connection

For USA installations, connect the wires to a 6AWG wire-70amp GFCI breaker (2 hot lines and 1 ground line). Ensure the voltage between L1 and L2 is 200-240V. Refer to the wiring diagram inside the unit cover.



Figure 3.2: Removable Housing and Internal Wiring. This image shows the internal components and wiring connections of the steam generator after removing the housing, highlighting the electrical terminals.



Figure 3.3: Wiring Connection Diagram. This diagram illustrates the electrical connections for the steam generator, showing hot wires (L1, L2) and the ground wire, with specific instructions for 110V and 220V countries.

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Video 3.2: Connection of the components. This video provides a step-by-step guide on connecting the various components of the steam generator, including electrical wiring, the controller, and the temperature probe.

3.3 Water Inlet and Steam Outlet Connection

Connect the water inlet to a cold water supply using a flexible hose. Connect the steam outlet to the steam nozzle inside the shower room. Ensure all connections are securely tightened to prevent leaks.



Figure 3.4: System Layout. This image illustrates the typical setup of the steam generator system, showing the generator unit, the controller, and the steam head connected by piping.

3.4 Drain Line Connection

Connect the drain line to a suitable drainage system. The unit features an automatic drain function that activates 15 minutes after use.

3.5 Controller and Temperature Probe Connection

Connect the digital control panel and the temperature probe to the main unit using the provided cables. The controller is waterproof and can be installed inside or outside the steam room. For extended life, it is recommended

to install it outside the steam room and use waterproof glass glue at the edges.

WATER PROOF CONTROLLER

Waterproof controller can be installed both inside and outside the steam room



Figure 3.5: Waterproof Controller. This image shows the waterproof digital control panel and suggests installing it outside the steam room for extended service life, using waterproof glass glue.

3.6 Selecting the Correct Power (KW)

The required power (KW) of the steam generator depends on your shower room volume and wall material. Use the following guidelines:

- **Ceramic tile, glass:** $[\text{Shower Room volume (ft}^3) / 35.3 \text{ (ft}^3)] * 1.5$
- **Marble:** $[\text{Shower Room volume (ft}^3) / 35.3 \text{ (ft}^3)] * 2.5$

- **Acrylic:** [Shower Room volume (ft³) / 35.3 (ft³)] * 1



Figure 3.6: How to Choose the Ideal Size of Steam Generator. This chart provides a guide for selecting the appropriate steam generator power (KW) based on shower room volume and wall material, along with corresponding wire and breaker requirements.

4. OPERATING INSTRUCTIONS

Once installed, operating your CGOLDENWALL steam generator is straightforward.

4.1 Starting the Steam Generator

- Ensure the water supply is open and the unit is properly connected to power.
- Use the waterproof digital control panel to turn on the unit.
- Steam will begin to generate within 3-5 minutes.

4.2 Adjusting Temperature and Time

- Use the up/down arrows on the control panel to set your desired temperature between 95°F and 131°F.
- Adjust the operating time as needed using the time settings on the control panel.

4.3 Aromatherapy Function

- The 360° round steam head includes an aroma oil reservoir.
- Carefully add a few drops of essential oil to the reservoir for an aromatherapy experience.

ALUMINUM STEAM NOZZLE

360°dispersion for aromatherapy



Figure 4.1: Aluminum Steam Nozzle. This image highlights the aluminum steam nozzle, which provides 360° dispersion for aromatherapy when essential oils are added to its reservoir.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your steam generator.

5.1 Automatic Drainage

The unit features an automatic drainage system that activates 15 minutes after each use to prevent mineral buildup. No manual drainage is required under normal operation.

5.2 Cleaning Impurities (Inlet Solenoid Valve)

Periodically check the water inlet solenoid valve for impurities. If blockages occur, clean the filter screen to ensure proper water flow.

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Video 5.1: Replacement of the components. This video demonstrates how to remove and replace internal components, including the heating tube, water level probe, and inlet solenoid valve, which is useful for cleaning impurities.

5.3 Replacing the Heating Tube

If the heating tube needs replacement, follow the steps outlined in the 'Replacement of the components' video. Ensure the power is disconnected before attempting any replacement.

5.4 Replacing the Water Level Probe

If the water level probe malfunctions, refer to the 'Replacement of the components' video for instructions on how to safely remove and replace it. Always disconnect power first.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

- **No Steam Production:** Check power supply, water inlet, and ensure the controller is turned on and set correctly. Verify the heating tube is functioning.
- **Insufficient Steam:** Ensure the water inlet is fully open and the water level probe is clean. Check for any blockages in the steam outlet.
- **Water Leakage:** Inspect all plumbing connections for tightness. Check the drain valve for proper sealing.
- **Error Codes on Controller:** Refer to the specific error code in the full product manual (if available) or contact customer support.
- **Unit Not Draining:** Check the auto drain valve for obstructions. Ensure the unit completes its 15-minute post-use cycle.

7. SPECIFICATIONS

Feature	Specification
Model Number	ST-105
Power	10.5 KW
Voltage	220 Volts
Required Current (USA)	6AWG wire-70amp GFCI breaker (2 hot lines and 1 ground line)
Temperature Range	95-131°F
Product Dimensions	23.6 x 7.9 x 20.5 inches
Item Weight	44.3 pounds
Material	Metal (Casing: cold-rolled sheet, Water tank: 304# stainless steel)
Certifications	CE, ROHS, ISO9001:2000

8. WARRANTY AND SUPPORT

8.1 Product Warranty

The CGOLDENWALL 10.5KW Steam Generator comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects under normal use and service.

8.2 Technical Support

CGOLDENWALL provides lifetime technical support for this product. For assistance with installation, operation, troubleshooting, or warranty claims, please contact CGOLDENWALL customer service. Online technical support is available.

For more information or to contact support, please visit the [CGOLDENWALL Store on Amazon](#).