

GASLAND GS318NG

GASLAND Gasmart C 12L GS318NG Natural Gas Water Heater

INSTRUCTION MANUAL

1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your GASLAND Gasmart C 12L GS318NG Domestic Gas Water Heater. This is a sealed, instantaneous natural gas water heater designed for indoor use, providing 12 liters per minute (LPM) of hot water with a nominal output of 24 kW.

The GS318NG model operates on methane gas (natural gas) at 20 mbar. Please ensure your home's gas supply type and pressure are compatible with this appliance before installation.

2. Important Safety Information

Professional Installation Required: This gas water heater must be installed by a licensed professional in accordance with all local building and plumbing codes and regulations. Improper installation can lead to serious injury or property damage.

Gas Type Verification: Confirm that your gas supply is natural gas (methane) at 20 mbar. Using an incorrect gas type can be extremely dangerous.

Safety Features: The appliance is equipped with multiple safety features, including:

- **Frost Protection:** If the water temperature falls below 5°C, the appliance will automatically initiate heating to prevent frost damage when switched on.
- **Overheat Protection:** Prevents the water from reaching excessively high temperatures.
- **Thermistors:** Monitor water temperature at the outlet for precise control.
- **Inbuilt Flame Sensor:** Detects the presence of a flame, shutting off gas if no flame is detected.
- **Low Water Flow Protection:** Ensures safe operation by preventing heating without adequate water flow.

Always follow all safety warnings and instructions provided in this manual and by the installing professional.

3. Setup and Installation

The GASLAND Gasmart C 12L GS318NG is designed for wall mounting and offers a space-saving solution. Product dimensions are 553 x 325 x 214 mm (Height x Width x Depth).

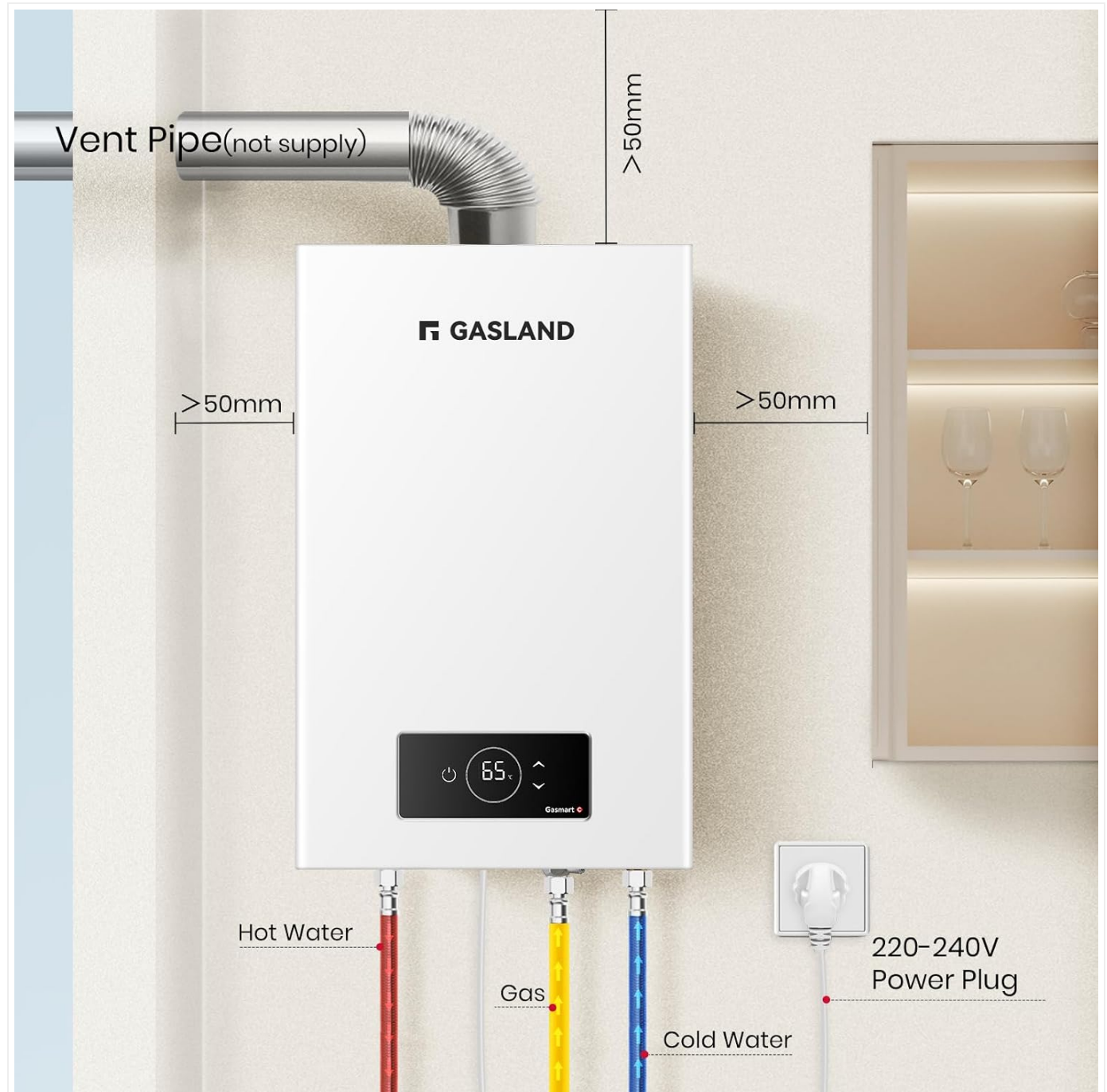


Image: Installation diagram illustrating required clearances (greater than 50mm from sides and top) and connection points for hot water, gas, and cold water. The power plug is also shown.

3.1 Location Requirements

- Suitable for installation in bathrooms, kitchens, or laundry rooms.
- Ensure adequate clearance around the unit (e.g., 50cm from cabinets, ceilings, and other appliances in laundry rooms).
- For bathroom installations, it is important that the unit is installed with a window orientation for proper ventilation.

Sealed Indoor Gas Water Heater

Suitable for double-layered pipes

- 100mm external flue vent pipe
- 60mm inner flue vent pipe

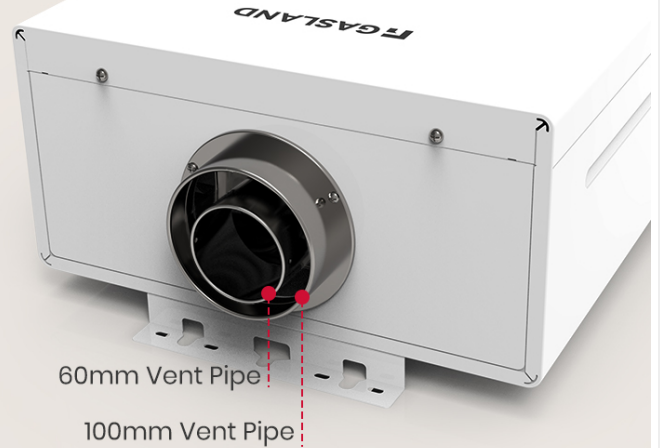


Image: The GASLAND water heater mounted on a wall in a modern kitchen setting, demonstrating a typical installation environment.



Image: The GASLAND water heater mounted on a wall in a modern bathroom setting, illustrating its suitability for such locations with proper window orientation.

3.2 Connections

- **Water Connections:** Inlet and outlet connections are G1/2". Compatible with most standard pipework.
- **Gas Inlet:** G1/2" connection for natural gas supply.
- **Power Supply:** The unit includes a 220-240 volt CE-listed 150 cm power cable.
- **Flue Pipe:** Requires a double-layered flue pipe with a 60 mm internal diameter and 100 mm external diameter. The vent pipe is not supplied with the unit.



Image: Close-up view of the bottom and top connections of the water heater, showing the G1/2" water outlet, G1/2" gas inlet, G1/2" water inlet, 220-240V power plug, and the flue pipe connections (Ø60mm inner, Ø100mm outer).



Image: Diagram illustrating the sealed indoor gas water heater's flue pipe requirements, specifying 100mm external flue vent pipe and

4. Operating Instructions

The GASLAND Gasmart C 12L GS318NG features an intuitive LED digital display for easy operation.

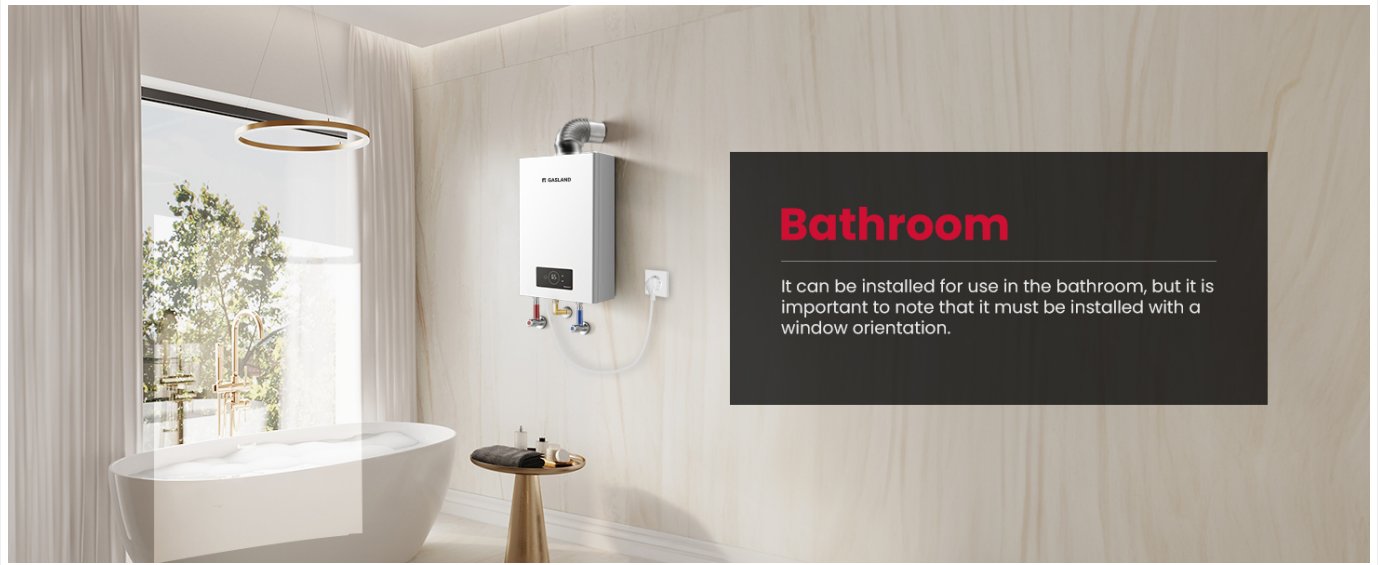


Image: The LED digital display on the water heater, showing the current temperature setting (e.g., 45°C) and indicators for fan operation, water usage, and successful ignition. The thermostatic design maintains the set temperature.

4.1 Powering On and Off

Press the power button on the LED display to turn the unit on or off.

4.2 Setting Water Temperature

Use the up and down arrows on the digital display to adjust your desired water temperature. The display will show the set temperature.

4.3 Indicator Lights

The bright indicator lights on the display provide real-time status:

- **Water Flow:** Indicates when water is flowing through the unit.
- **Fan:** Shows when the internal fan is in operation.
- **Flame Detection:** Confirms successful ignition and presence of a flame.

4.4 Thermostatic Design

The unit features a thermostatic design, which means the water temperature is maintained consistently at your set temperature, providing a stable hot water supply.

5. Maintenance

Regular maintenance ensures the longevity and efficient operation of your water heater. It is recommended to have the unit inspected annually by a qualified professional.

5.1 Heat Exchanger

The primary heat exchanger is constructed from oxygen-free copper, known for its superior heat transfer properties and corrosion resistance. This material contributes to the long lifespan of the appliance.

5.2 Frost Protection

As mentioned in the safety section, the unit has an inbuilt frost protection system. Ensure the appliance remains powered on during cold weather to allow this feature to function effectively and prevent damage from freezing.



Image: Illustration highlighting the Smart Freeze Protection feature, showing the water heater in a cold environment with a temperature icon, indicating its ability to prevent freezing.

6. Troubleshooting

The GASLAND Gasmart C 12L GS318NG includes advanced fault code technology to assist in diagnosing issues. If a problem occurs, an error code will be displayed on the LED screen.

6.1 Error Codes

Refer to the specific error code displayed on the LED screen. Consult the full user manual (if provided separately) or contact customer support with the error code for detailed troubleshooting steps.

6.2 Common Issues

- **No Hot Water:** Check gas supply, water flow, and power connection. Ensure no error codes are displayed.
- **Lukewarm Water:** Verify the set temperature on the display. Ensure adequate water pressure and flow rate.
- **Unit Not Turning On:** Check power supply and ensure the unit is properly connected.

For any persistent issues or if you are unsure about a fault, always contact a qualified service technician.

7. Specifications

Feature	Specification
Brand	GASLAND
Model Number	GS318NG
Capacity	12 liters per minute
Power Source	Natural Gas (Methane, 20 mbar)
Product Dimensions (W x H x D)	32.5W x 55.3H x 21.4D centimetres

Item Weight	12.6 Kilograms
Material	Copper (Heat Exchanger)
Voltage	220-240 Volts (AC)
Mount Type	Wall
Special Features	Low Water Flow Protection, LED Display, Built-in Error Code Indicator, Frost Protection, Overheat Protection, Flame Detection
Inlet/Outlet Connections	G1/2"
Flue Pipe Diameter (Internal/External)	60mm / 100mm



Image: Table detailing applicable scenarios for different gas types (LPG and NG) and their respective pressure requirements. The GS318NG model is specified for Methane (Natural Gas) at 20 mbar, suitable for city apartments and areas with natural gas availability.

8. Warranty and Support

For warranty information, please refer to the documentation provided with your purchase or contact your retailer. Warranty terms and conditions may vary.

For technical support, service, or to inquire about replacement parts, please contact GASLAND customer service or your authorized dealer. Ensure you have your model number (GS318NG) and purchase details available when contacting support.

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