FIREGAS FGS-USB11G70AC

FIREGAS FGS-USB11G70AC 30-Inch Range Hood Insert User Manual

Model: FGS-USB11G70AC

1. Introduction

This manual provides essential instructions for the installation, operation, and maintenance of your FIREGAS FGS-USB11G70AC 30-inch range hood insert. Designed for efficient ventilation, this unit features a 450 CFM exhaust fan, three-speed control, LED lighting, and convertible ducted/ductless operation. Please read this manual thoroughly before installation and use to ensure proper function and safety.



Figure 1.1: Front view of the FIREGAS 30-inch range hood insert. This image provides an overview of the product's appearance, showcasing its sleek stainless steel design, baffle filters, LED lights, and control buttons.

2. Safety Information

Always adhere to basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, or injury. This appliance is intended for household use only.

General Safety

- Read all instructions before operating the appliance.
- Ensure the installation complies with all local codes and ordinances.
- Do not operate any fan with a damaged cord or plug. Discard fan or return to an authorized service facility for examination and/or repair.
- Do not use this unit with any external solid-state speed control device.
- Clean grease filters frequently. Grease should not be allowed to accumulate on fan or filter.
- Never leave surface units unattended at high settings. Boil-overs cause smoking and greasy spill-overs that may ignite.
- Always turn hood ON when cooking at high heat or when flaming foods.
- Use appropriate pan size for each surface unit.

Electrical Safety

- This appliance must be properly grounded. Consult a qualified electrician if you are unsure if the appliance is properly grounded.
- Do not modify the plug provided with the appliance. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.
- Ensure the power supply is disconnected before servicing or cleaning the unit.

3. Package Contents

Verify that all components listed below are present in your package before beginning installation.

- FIREGAS 30-inch Insert Range Hood
- 3-Prong Plug
- Screws Pack
- Oil Cup
- CC170 Charcoal Filters (for ductless operation)
- Dampers
- User Manual
- Installation Drawing



Figure 3.1: Accessories included with the FIREGAS range hood. This image displays the items found inside the range hood packaging, including charcoal filters, dampers, oil cup, screw pack, installation draft, and manual.

4. Specifications

Key technical specifications for the FIREGAS FGS-USB11G70AC range hood insert.

Feature	Specification
Model Number	FGS-USB11G70AC
Air Flow Capacity	450 Cubic Feet Per Minute (CFM)
Material	Stainless Steel
Noise Level	56 dB (max)
Mounting Type	Built-In Mount
Controls Type	Push Button
Number of Speeds	3
Light Source Type	LED
Wattage	190 watts
Filter Type	Baffle
Ventilation Type	Convertible (Ducted/Ductless)
Product Dimensions (W x D x H)	27.8" x 11.5" x 10.3" (70.6cm x 29.2cm x 26.2cm)
Recommended Cutout Size (W x D)	26" x 10.2" (66cm x 25.9cm)
Top Vent Diameter	5.9" (15cm) Round
Item Weight	21 Pounds (9.5 kg)

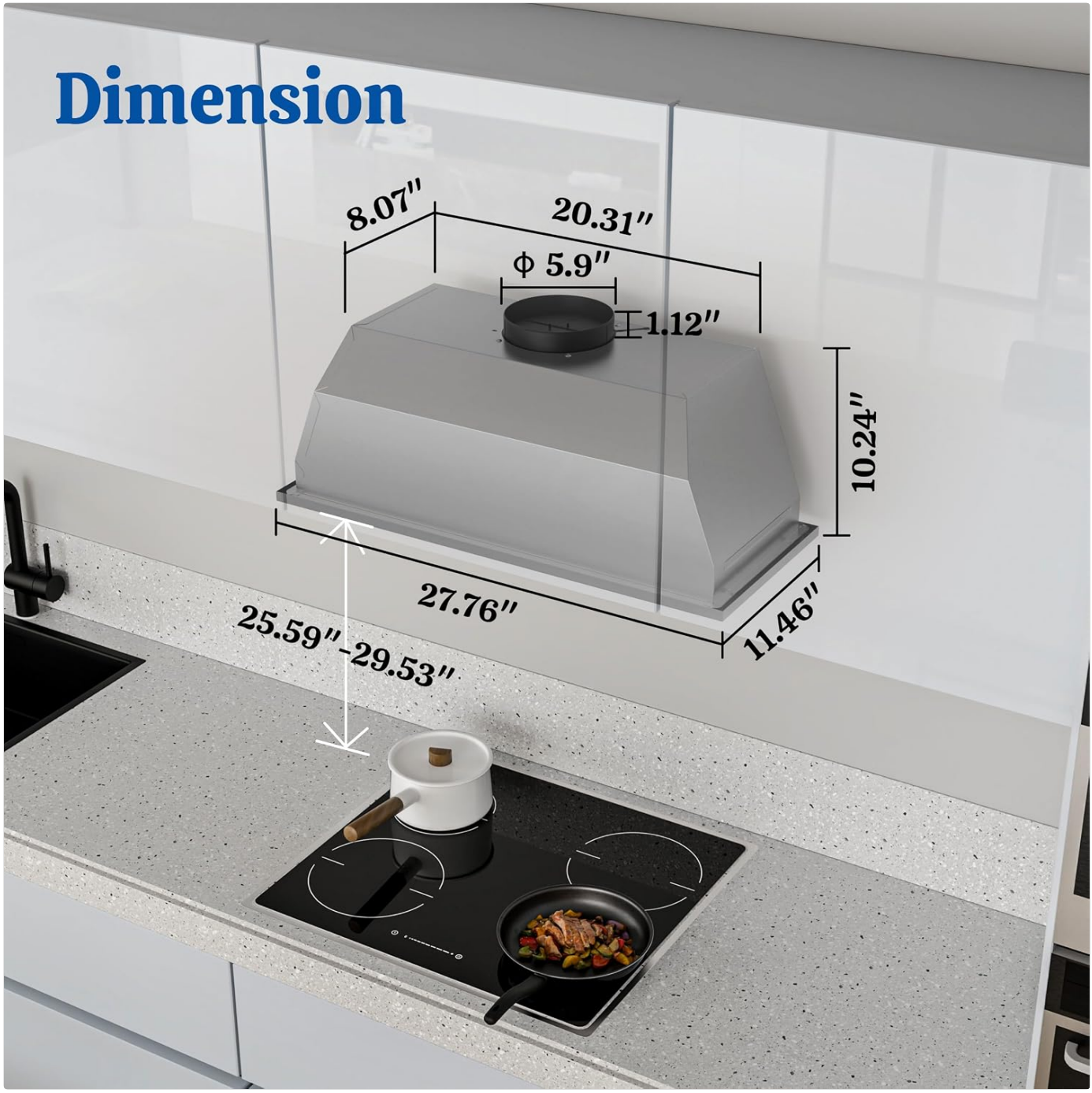


Figure 4.1: Dimensional drawing of the FIREGAS 30-inch range hood insert. This detailed diagram shows the product dimensions and recommended cutout size for proper installation, including the 5.9-inch round top vent.

5. Installation (Setup)

The FIREGAS range hood insert is designed for built-in installation within custom cabinetry. It supports both ducted and ductless configurations.

Pre-Installation Steps

1. **Unpack and Inspect:** Carefully remove all packaging materials. Inspect the range hood for any shipping damage.
2. **Remove Protective Film:** Peel off any protective plastic film from the stainless steel surfaces.
3. **Prepare Cabinetry:** Ensure your cabinet opening matches the recommended cutout dimensions (26" W x 10.2" D).



Figure 5.1: Removing protective film. A hand peeling off the blue protective film from the stainless steel surface of the range hood, a necessary step before installation.

Ventilation Options: Ducted vs. Ductless

This range hood can be configured for two types of ventilation:

- **Ducted (External Venting):** Air is exhausted outside through a 6-inch round duct connected to the top vent. This method provides the most effective removal of smoke and odors.
- **Ductless (Recirculating):** Air is filtered through the included CC170 charcoal filters to remove odors and grease, then recirculated back into the kitchen. This option is suitable for kitchens without external venting capabilities. Ensure charcoal filters are installed for ductless operation.

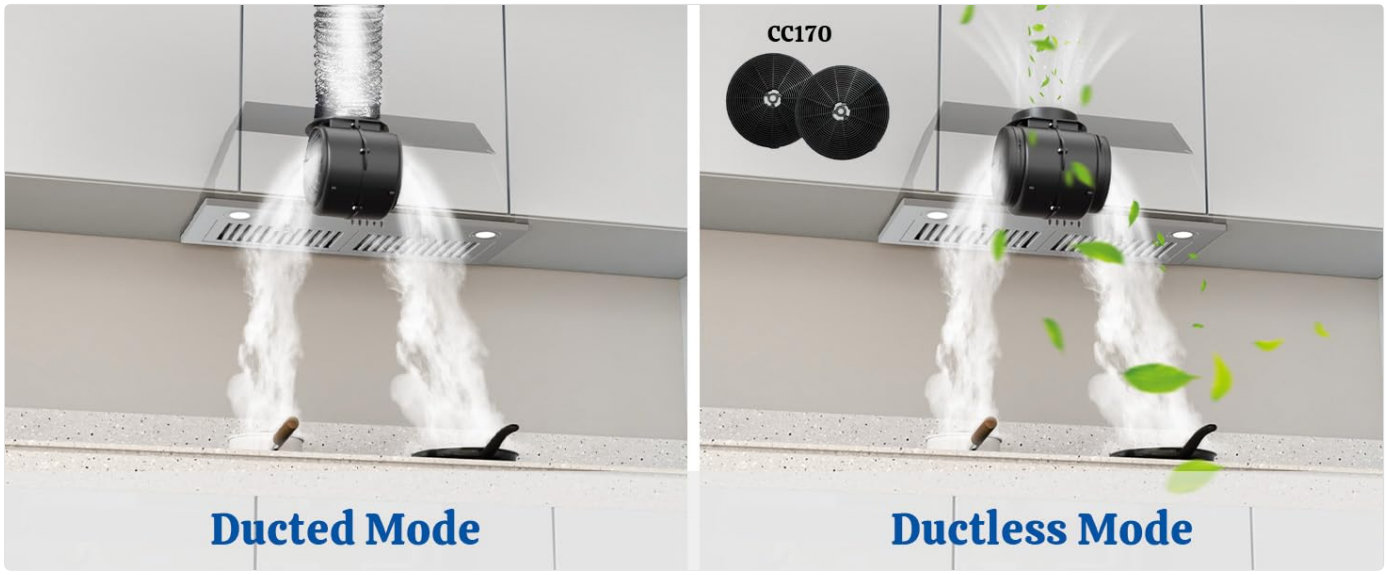


Figure 5.2: Ducted vs. Ductless Mode. This visual comparison shows the range hood configured for ducted ventilation (expelling air outside) and ductless recirculation (using charcoal filters to clean and return air).

Installation Steps

Refer to the included "Installation Drawing" for detailed diagrams and specific mounting instructions. Generally, installation involves:

1. Mounting the hood securely into the prepared cabinet opening using the provided screws.
2. Connecting the ductwork (for ducted mode) or installing the charcoal filters (for ductless mode).
3. Connecting the electrical supply using the 3-prong plug.

6. Operation

Your FIREGAS range hood is equipped with user-friendly push-button controls for fan speed and lighting.

Control Panel

The control panel features distinct buttons for power, fan speed adjustment, and light activation.



Figure 6.1: Push-button controls. A close-up view of a hand interacting with the push-button control panel, demonstrating the ease of adjusting fan speeds and lighting.

Fan Speed Adjustment

The hood offers three fan speeds to match your cooking intensity:

- **Low Speed:** Ideal for simmering, light cooking, or maintaining air quality.
- **Mid Speed:** Suitable for general cooking, frying, and moderate smoke/odor production.
- **High Speed:** Use for heavy cooking, searing, grilling, or when significant smoke and odors are present.



Figure 6.2: 3-Speed Control. Visual representation of the three fan speed settings (Low, Mid, High) and their application for different cooking intensities, from light simmering to high-heat searing.

LED Lighting

Activate the dual LED lights to illuminate your cooking surface for improved visibility.

Figure 6.3: Energy-Saving LED Lights. A close-up of the range hood's LED lights, emphasizing their energy efficiency and bright illumination for the cooking area.

7. Maintenance

Regular maintenance ensures optimal performance and longevity of your range hood.

Cleaning Baffle Filters

The stainless steel baffle filters are designed to capture grease and are dishwasher-safe for easy cleaning.

1. **Remove Filters:** Gently slide or unlatch the baffle filters to remove them from the hood.
2. **Clean:** Wash filters in a dishwasher or by hand with hot water and a mild detergent. Ensure they are completely dry before reinstallation.
3. **Reinstall:** Insert the clean, dry filters back into their slots until securely in place.



Figure 7.1: Baffle Filter Cleaning. A series of images demonstrating the process of removing, cleaning by hand, and washing the baffle filters in a dishwasher for effortless maintenance.

Emptying and Cleaning the Oil Cup

The oil cup collects excess grease and should be emptied and cleaned regularly.

1. **Locate Oil Cup:** The oil cup is typically located beneath the baffle filters.
2. **Remove and Empty:** Carefully remove the oil cup, empty its contents, and wash it with warm, soapy water.
3. **Reinstall:** Ensure the oil cup is dry before placing it back into its position.



Figure 7.2: Oil Cup Removal. An image showing the removal of the oil cup, which collects grease, for easy disposal and cleaning.

Replacing Charcoal Filters (Ductless Mode Only)

For ductless operation, charcoal filters (Model CC170) should be replaced every 3-6 months, depending on cooking frequency.

1. **Access Filters:** Remove the baffle filters to access the charcoal filters.
2. **Remove Old Filters:** Twist or unclip the old charcoal filters and remove them.
3. **Install New Filters:** Place new CC170 charcoal filters into position and secure them.

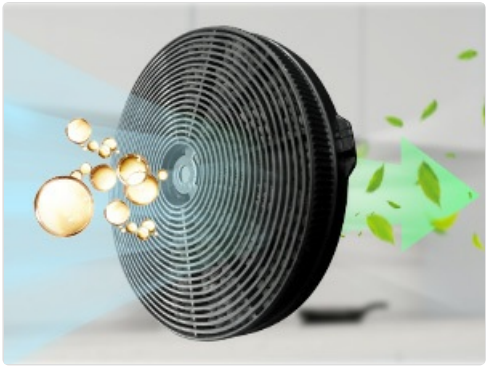


Figure 7.3: Charcoal Filter Function. A diagram showing how the charcoal filter purifies air by capturing odors and grease particles before recirculating the air back into the kitchen.

Exterior Cleaning

Wipe the exterior stainless steel surfaces with a soft cloth and a non-abrasive cleaner. Avoid harsh chemicals or abrasive pads that could scratch the finish.



Figure 7.4: Exterior Cleaning. A hand wiping the stainless steel surface of the range hood with a soft cloth, demonstrating routine exterior cleaning to maintain its appearance.

8. Troubleshooting

This section addresses common issues you might encounter with your range hood. If problems persist, contact customer support.

Problem	Possible Cause	Solution
Hood does not operate	No power supply Faulty switch/control panel	Check power connection and circuit breaker Contact customer support
Poor suction	Clogged grease filters Improper ducting (ducted mode) Saturated charcoal filters (ductless mode)	Clean baffle filters Check ductwork for obstructions or leaks Replace charcoal filters
Excessive noise	Loose parts Motor issue Improper installation	Check for loose screws or components Contact customer support Verify installation according to manual
Lights not working	Burnt-out LED bulb Loose wiring	Replace LED bulb (if replaceable) Check wiring connections (consult electrician if unsure)

9. Warranty and Support

Your FIREGAS range hood comes with a **2-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal household use.

What the Warranty Covers:

- Repair or replacement of defective parts.
- Labor costs associated with warranty repairs.

What the Warranty Does NOT Cover:

- Damage resulting from improper installation, misuse, abuse, or neglect.
- Normal wear and tear, including filters and light bulbs.
- Damage caused by unauthorized repairs or modifications.
- Cosmetic damage that does not affect the functionality of the hood.

Customer Support

For warranty claims, technical assistance, or any questions regarding your FIREGAS range hood, please contact FIREGAS customer support. Refer to your purchase documentation or the FIREGAS website for current contact information.

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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

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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