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› FIREGAS Under Cabinet Range Hood User Manual

FIREGAS FGS-USF21A1175AC

FIREGAS Under Cabinet Range Hood User Manual

Model: FGS-USF21A1175AC

Brand: FIREGAS

1. INTRODUCTION

Thank you for choosing the FIREGAS Under Cabinet Range Hood. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new appliance. Please read this manual thoroughly before installation and retain it for future reference.

This 30-inch under cabinet range hood features a high-efficiency brushless DC motor, bright LED lighting, and a 3-speed exhaust fan. It is designed for both ducted and ductless installations, offering versatility for various kitchen setups. The reusable aluminum filters and included charcoal filter ensure effective air purification.



Figure 1: FIREGAS 30-inch Under Cabinet Range Hood (Silver)

The FIREGAS 30-inch Under Cabinet Range Hood, shown in silver, features a sleek design with push-button controls and two integrated LED lights. A charcoal filter is also visible, indicating its ductless compatibility.

2. SAFETY INFORMATION

To reduce the risk of fire, electric shock, or injury, observe the following:

- Install this range hood in accordance with all specified instructions.
- Ensure proper ventilation. Do not exhaust air into walls, ceilings, attics, crawl spaces, or garages.
- Always disconnect the appliance from the power supply before servicing or cleaning.
- Clean grease filters frequently. Grease accumulation can lead to fire.
- Never leave surface units unattended at high settings. Boil-overs cause smoking and greasy spill-overs that may ignite.
- Use appropriate size cookware. Always use cookware appropriate for the size of the surface element.
- For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking. If any items are missing or damaged, contact customer support immediately.

- FIREGAS Under Cabinet Range Hood Unit
- Aluminum Filters (Pre-installed)
- Charcoal Filter (Model: CC170)
- 3-Prong Power Plug (Pre-wired)
- Installation Hardware (Screws, etc.)
- Square to Round Outlet Adaptor
- Damper
- Air Outlet
- Vent Cover
- User Manual

PACKAGE INCLUDES



Figure 2: Package Contents

This image displays the complete package contents for the FIREGAS range hood, including the main unit, charcoal filter (Model CC170), square to round outlet adaptor, screws, damper, air outlet, and vent cover, alongside the installation and user manuals.

4. INSTALLATION

4.1 Before Installation

- Read the entire instruction manual before beginning.
- Ensure the installation area is clear and free of obstructions.
- Verify that the electrical supply meets the requirements (120V/60Hz).
- Remove any blue protective film from the stainless steel surfaces before installation.

4.2 Venting Options

The FIREGAS range hood supports two primary venting configurations:

1. **Outdoor Venting (Ducted):** For exhausting air directly outside your home. This requires connecting the range hood to existing ductwork. The vent location is on the top with a 4.7-inch round opening or rectangular (6 in. x 2.4 in.) at the back.

2. **Indoor Venting (Ductless/Recirculating):** For filtering air and recirculating it back into the kitchen. This option uses the included charcoal filter (Model: CC170) to remove odors and smoke. No external ductwork is required.



Figure 3: Venting Options

This diagram visually explains the two venting options: Outdoor Venting (Ducted), where air is expelled outside through a duct, and Indoor Venting (Ductless), where air is filtered and recirculated within the kitchen using a charcoal filter.

4.3 Mounting

The range hood is designed for under cabinet mounting. Refer to the detailed installation instructions provided in the separate installation manual for precise measurements and mounting steps. Ensure the mounting surface is sturdy enough to support the weight of the unit.

SLIM SPACE SAVING DESIGN

Fit perfectly for condos and apartments



Installation Type : Under Cabinet Mount

*Please remove blue protective film before installing

Figure 4: Product Dimensions and Installation

This image provides detailed dimensions of the range hood (29.5" W x 19.5" L x 5.3" H) and illustrates the top and rear vent locations. It also shows the 44-inch power cord with a 3-prong plug, confirming its under-cabinet mount installation type.

5. OPERATING INSTRUCTIONS

The FIREGAS range hood features intuitive push-button controls for fan speed and lighting.

5.1 Fan Operation

The fan offers three speed settings to accommodate various cooking needs:

- **Speed 1 (Low):** Ideal for simmering or light cooking, providing ultra-quiet operation (below 45 dB).
- **Speed 2 (Medium):** Suitable for everyday cooking.
- **Speed 3 (High):** For heavy cooking, frying, or when maximum ventilation is required. Provides 300 CFM airflow.

Press the corresponding speed button (1, 2, or 3) to select the desired fan speed. Press the 'Off' button to turn off the fan.



Figure 5: Push Button Controls and Quiet Operation

The left image shows the intuitive push-button controls for fan speed and lighting. The right image demonstrates the range hood's ultra-quiet operation, blending seamlessly into a kitchen environment while effectively ventilating.

5.2 Lighting

The range hood is equipped with two 1.5-Watt LED lights to illuminate your cooking surface.

- Press the light button to turn the lights on or off.



Figure 6: LED Lighting

This image highlights the two 1.5W LED lights integrated into the range hood, providing ample and energy-efficient illumination for the cooking area without flicker or glare.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your range hood.

6.1 Cleaning Grease Filters

The aluminum mesh filters collect grease and oils. Clean them frequently to prevent grease buildup and maintain airflow efficiency. The filters are machine-washable.

- To remove: Locate the release tabs on the filters, push them inward, and pull the filter down.
- Clean: Wash filters in a dishwasher or by hand using hot water and a mild detergent.
- To reinstall: Align the filter with the slots and push the release tabs back into place until it clicks.

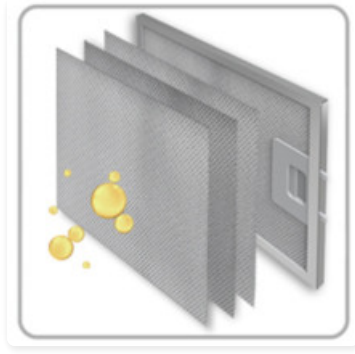


Figure 7: Aluminum Mesh Filters

This image provides a close-up view of the multi-layered aluminum mesh filters designed to efficiently capture grease and oils from cooking fumes. These filters are easily removable and machine-washable for convenient maintenance.

6.2 Replacing Charcoal Filter (Ductless Installation Only)

If using the range hood in ductless mode, the charcoal filter (Model: CC170) needs to be replaced periodically, typically every 3-6 months depending on usage. A saturated charcoal filter will reduce odor absorption efficiency.

- To replace: Remove the aluminum grease filters first. The charcoal filter is usually attached to the motor housing. Twist or unclip the old filter and replace it with a new one.
- New charcoal filters (Model: CC170) can be purchased separately (ASIN: B08GZD4JN4).

PACKAGE INCLUDES

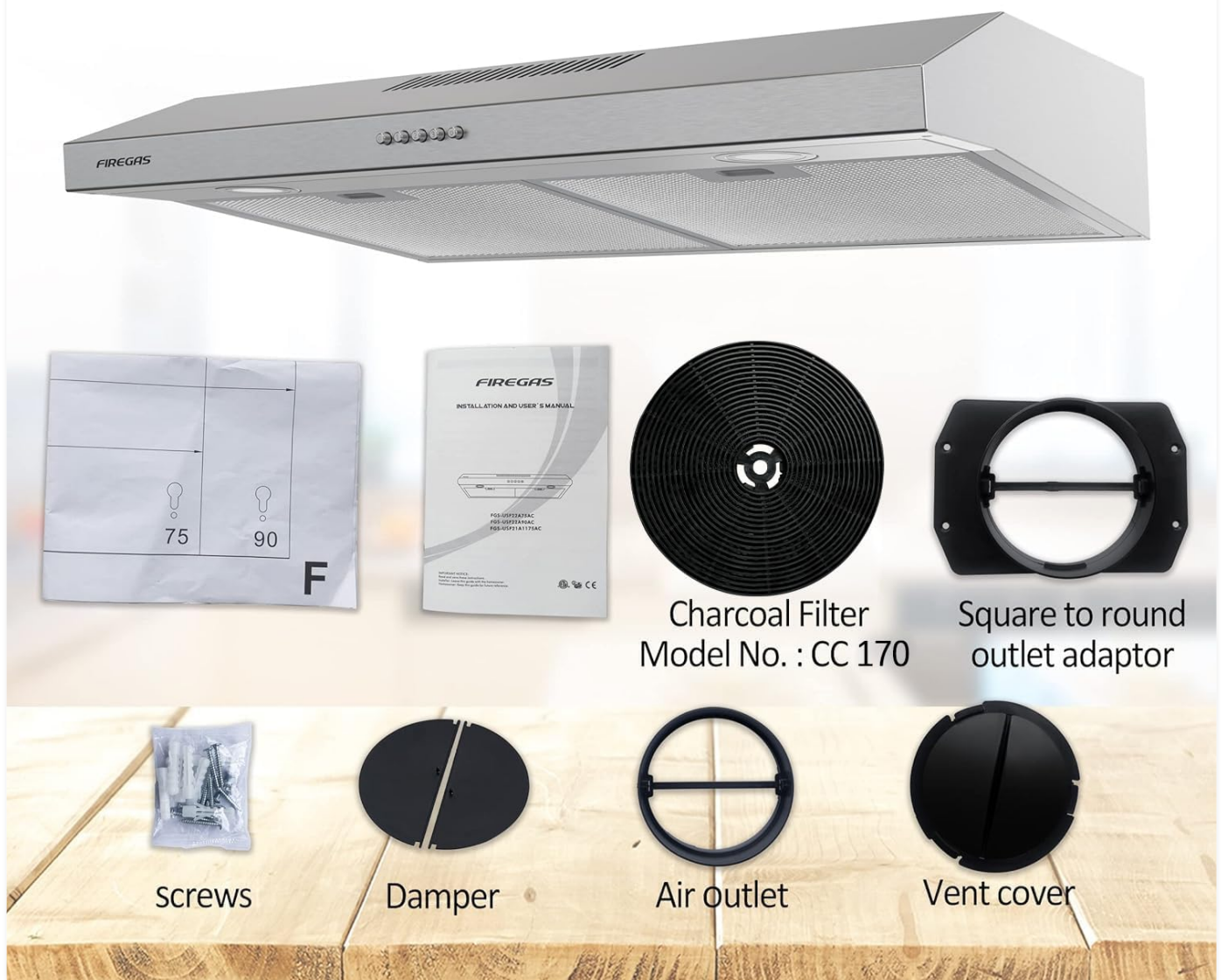


Figure 8: Charcoal Filter (Model CC170)

This image shows the circular charcoal filter, Model CC170, which is essential for ductless (recirculating) installations. It effectively absorbs cooking odors and smoke before the air is returned to the kitchen.

6.3 Exterior Cleaning

Clean the exterior of the range hood regularly with a soft cloth and a non-abrasive cleaner. Avoid harsh chemicals or abrasive pads that could scratch the stainless steel finish.

7. TROUBLESHOOTING

Before contacting customer support, review the following common issues and their solutions:

Problem	Possible Cause	Solution
Fan does not operate	No power supply; Fan switch off; Motor malfunction	Check power connection and circuit breaker; Ensure fan switch is on; Contact customer support if motor is faulty.

Problem	Possible Cause	Solution
Lights do not work	No power supply; Light switch off; LED bulb faulty	Check power connection; Ensure light switch is on; Contact customer support for LED replacement.
Poor suction	Grease filters clogged; Charcoal filter saturated (ductless); Obstruction in ductwork (ducted); Incorrect installation height	Clean aluminum filters; Replace charcoal filter; Check ductwork for blockages; Verify installation height as per manual.
Excessive noise	Loose parts; Fan blades obstructed; Improper installation; Damper rattling	Check for loose screws or components; Clear any obstructions from fan blades; Re-check installation; Ensure damper operates smoothly.

8. SPECIFICATIONS

Feature	Detail
Model Number	FGS-USF21A1175AC
Dimensions (W x L x H)	29.5" x 19.5" x 5.3"
Material	Stainless Steel
Air Flow Capacity	300 Cubic Feet Per Minute (CFM)
Noise Level	Less than 45 dB (lowest speed)
Motor Type	Brushless DC Motor (BLDC)
Number of Speeds	3
Controls Type	Push Button
Lighting	2 x 1.5-Watt LED
Filter Type	Aluminum Mesh (reusable), Charcoal Filter (Model: CC170, included for ductless)
Electrical Requirements	120V/60Hz, 3-Prong Plug
Installation Type	Under Cabinet Mount
Certifications	ETL



Figure 9: Powerful BLDC Motor

This image highlights the powerful Brushless DC (BLDC) motor, emphasizing its higher suction power and energy efficiency compared to traditional motors, contributing to the hood's high performance.

QUIET & COMFORTABLE

QUIET OPERATION TO KEEPS NOISE LEVELS LESS THAN 45 DB AT HIGH SPEED
NOISE REDUCTION REASON
THE INPUT IS CONTINUOUSLY SUPPLIED TO THE STATOR WINDING THUS THERE IS NO ELECTROMAGNETIC NOISE.

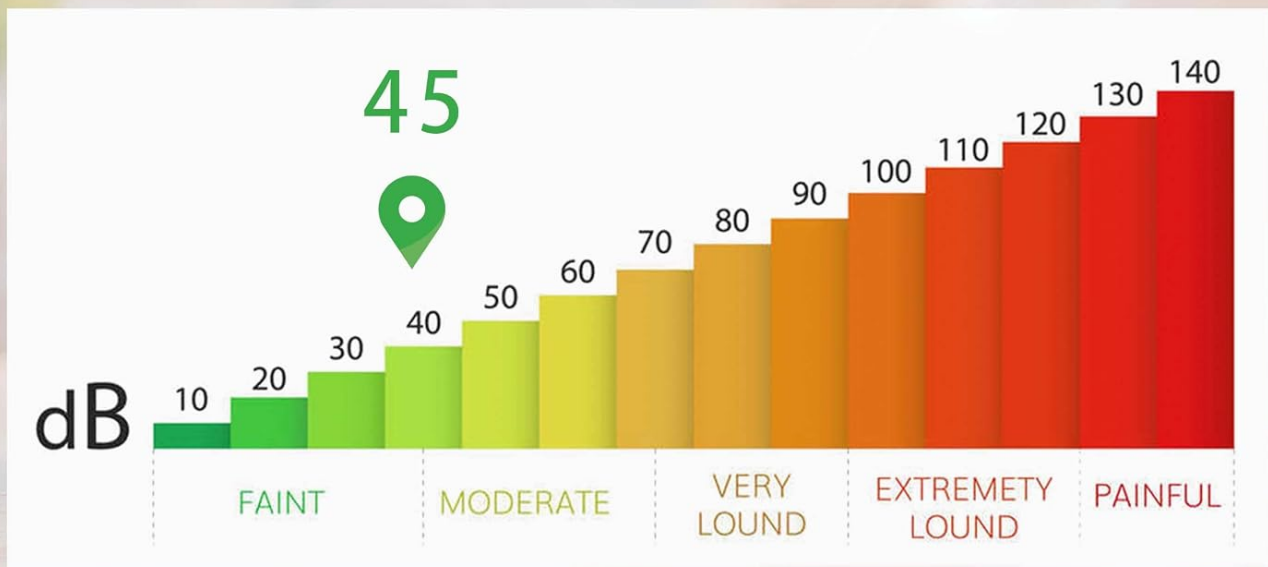
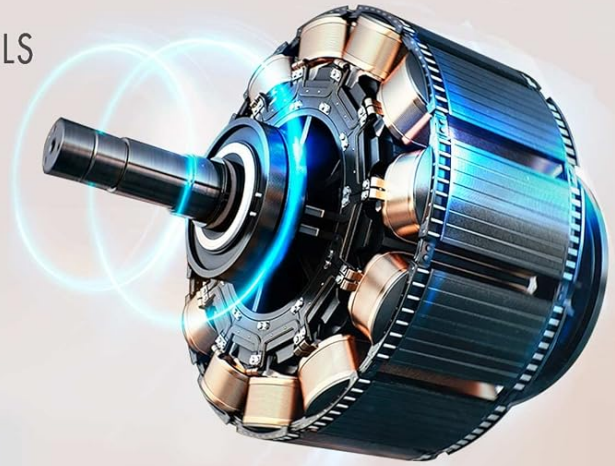


Figure 10: Ultra-Quiet Operation

A visual representation of noise levels, indicating that the range hood operates below 45 dB, which is categorized as 'Faint' to 'Moderate', ensuring a quiet kitchen environment.

9. WARRANTY & SUPPORT

The FIREGAS Under Cabinet Range Hood comes with a **1-Year Limited Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical assistance, or any questions regarding your product, please contact FIREGAS customer support. Have your model number (FGS-USF21A1175AC) and purchase date ready when contacting support.

Contact information for support can typically be found on the manufacturer's official website or through your point of purchase.

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