FIREGAS FGS-USF25A75AC

FIREGAS FGS-USF25A75AC Under Cabinet Range Hood User Manual

Model: FGS-USF25A75AC | Brand: FIREGAS

1. Introduction and Overview

This manual provides essential instructions for the installation, operation, maintenance, and troubleshooting of your FIREGAS FGS-USF25A75AC Under Cabinet Range Hood. This 30-inch range hood is designed to effectively remove smoke, grease, and odors from your kitchen environment, offering both ducted and ductless convertible ventilation options.

Key features include a powerful 250 CFM suction capacity, a 3-speed fan for adaptable ventilation, and energy-efficient LED lighting to illuminate your cooking surface. Its ultra-slim design ensures a snug fit under cabinets, making it suitable for various kitchen sizes.



Figure 1.1: Front view of the FIREGAS FGS-USF25A75AC Under Cabinet Range Hood.

2. Setup and Installation

The FIREGAS FGS-USF25A75AC range hood is designed for under-cabinet mounting and can be configured for either ducted or ductless (recirculating) operation. Refer to the included 'Installation Draft' for detailed, step-by-step instructions and diagrams specific to your chosen ventilation method.

2.1 Package Contents

Before beginning installation, verify that all components are present:

- 30 Inch Range Hood Unit
- 3-Prong Plug
- Dampers (for ducted operation)
- Screws Pack
- CC170 Charcoal Filter (for ductless operation)
- Installation Draft
- User Manual (this document)
- Vent Cover
- Air Outlet



Figure 2.1: Included components in the product package.

2.2 Dimensions

The range hood features an ultra-slim profile for efficient space utilization. Ensure adequate clearance and cabinet space before installation.

- **Product Dimensions:** 29.3" (Width) x 19.49" (Depth) x 3.94" (Height)
- **Duct Outlet Diameter:** 4.92" (for ducted models)



Figure 2.2: Dimensional specifications of the range hood.

2.3 Ducted vs. Ductless Operation

The range hood supports both ducted and ductless configurations:

- **Ducted Mode:** Air is extracted from the kitchen and vented outside through a duct system. This requires proper ductwork installation.
- **Ductless (Recirculation) Mode:** Air is filtered through a charcoal filter (CC170, included) to remove odors and then recirculated back into the kitchen. This mode is suitable when external venting is not possible.

3. Operating Instructions

The range hood features user-friendly push-button controls for fan speed and lighting.

3.1 Control Panel

The control panel is located on the front of the unit and consists of push buttons for various functions.



Figure 3.1: Push-button control panel.

3.2 Fan Operation

The range hood is equipped with a 3-speed fan to accommodate different cooking needs.

- **Low Speed:** Ideal for simmering or light cooking.
- **Mid Speed:** Suitable for general cooking and moderate smoke/odor.
- **High Speed:** Recommended for frying, grilling, or when significant smoke and odors are present.

Press the corresponding button on the control panel to select the desired fan speed. Press the 'Off' button to turn off the fan.



Figure 3.2: Fan speed control for various cooking demands.



Figure 3.3: The range hood's 250 CFM suction capacity in action.

3.3 LED Lighting

The range hood includes energy-efficient LED lights to illuminate your cooking area. Press the light button on the control panel to turn the lights on or off.



Figure 3.4: LED lighting provides visibility for cooking.

4. Maintenance

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

4.1 Cleaning Grease Filters

The range hood is equipped with multi-layer aluminum mesh filters designed to trap grease. These filters should be cleaned regularly, typically every 3-4 weeks depending on cooking frequency.

1. Turn off the range hood and disconnect power before cleaning.
2. Locate the filter latches and carefully remove the aluminum filters.
3. Wash the filters in warm, soapy water or place them in a dishwasher. Avoid using abrasive cleaners.
4. Rinse thoroughly and allow to dry completely before re-installing.



Figure 4.1: Multi-layer aluminum filters for grease capture.

4.2 Replacing Charcoal Filters (Ductless Mode Only)

If operating in ductless mode, the CC170 charcoal filter needs periodic replacement to maintain odor absorption effectiveness. The replacement frequency depends on usage, typically every 3-6 months.

1. Turn off the range hood and disconnect power.
2. Remove the aluminum grease filters as described above.
3. Locate and remove the used charcoal filter.
4. Install a new CC170 charcoal filter, ensuring it is securely in place.
5. Re-install the aluminum grease filters.

4.3 Cleaning the Exterior

Wipe the exterior surfaces of the range hood with a soft cloth and a mild, non-abrasive cleaner. Avoid harsh chemicals or scouring pads that could damage the stainless steel finish.

5. Troubleshooting

If you encounter issues with your range hood, refer to the following common problems and solutions. For persistent issues, contact customer support.

Problem	Possible Cause	Solution
Fan does not operate	No power supply	Check if the power cord is securely plugged in and the circuit breaker is not tripped.
Fan operates, but suction is weak	Grease filters are clogged	Clean or replace the grease filters (refer to Section 4.1).
	Charcoal filters are saturated (ductless mode)	Replace the charcoal filters (refer to Section 4.2).
	Ductwork obstruction (ducted mode)	Inspect ductwork for blockages or improper installation.
LED light does not turn on	Light bulb failure	Contact customer support for assistance with LED light replacement.
Excessive noise during operation	Loose components or improper installation	Ensure all mounting screws are tightened. Check for any loose parts inside the unit.

6. Specifications

Detailed technical specifications for the FIREGAS FGS-USF25A75AC Under Cabinet Range Hood.

Feature	Specification
Model Number	FGS-USF25A75AC
Air Flow Capacity	250 Cubic Feet Per Minute (CFM)
Material	Aluminum, Stainless Steel
Noise Level	48 Decibels
Mounting Type	Under Cabinet Mount
Controls Type	Push Button
Voltage	120 Volts
Number of Speeds	3
Item Weight	15 Pounds
Light Source Type	LED
Wattage	82 watts (Total)
Filter Type	Mesh (Aluminum), Charcoal (CC170 for ductless)
Ventilation Type	Convertible (Ducted/Ductless)
Product Dimensions (L x W x H)	19.49 x 29.3 x 3.94 inches

Feature	Specification
Certification	ETL

7. Warranty Information

The FIREGAS FGS-USF25A75AC Under Cabinet Range Hood comes with a**1-year manufacturer warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.
The warranty does not cover damage resulting from improper installation, misuse, abuse, accident, unauthorized repair, or normal wear and tear.

8. Customer Support

For any inquiries, technical assistance, or warranty claims regarding your FIREGAS range hood, please contact our customer support team. Our representatives are available to provide prompt assistance.
Please refer to the contact information provided on the product packaging or the official FIREGAS website for the most current support details.

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