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› FIREGAS 30-inch Black Under Cabinet Range Hood User Manual

## FIREGAS FGS-UBF21A1175AC

# FIREGAS 30-inch Under Cabinet Range Hood User Manual

Model: FGS-UBF21A1175AC

## 1. INTRODUCTION

Thank you for choosing the FIREGAS 30-inch Black Under Cabinet Range Hood. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your new appliance. Please read this manual thoroughly before installation and use, and keep it for future reference.



Figure 1: FIREGAS 30-inch Black Under Cabinet Range Hood, showcasing its sleek design and integrated lighting.

## 2. IMPORTANT SAFETY INSTRUCTIONS

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

- Read all instructions before operating the range hood.

- Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
- 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.
- Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back-drafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
- When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
- Ducted fans must always be vented to the outdoors.
- Do not use this unit with any solid-state speed control device.
- This unit must be grounded.
- Clean grease filters frequently. Grease should not be allowed to accumulate on fan or filter.
- Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers that may ignite.
- Always turn hood ON when cooking at high heat or when flaming foods.
- Use proper pan size. Always use cookware appropriate for the size of the surface element.

### **3. PRODUCT FEATURES**

The FIREGAS Range Hood is designed to provide efficient ventilation and illumination for your kitchen. Key features include:

#### **3.1 Powerful Performance**

Equipped with a robust motor, this range hood delivers a maximum airflow of 300 CFM, effectively eliminating smoke, grease, and odors from your cooking area. The 3-speed exhaust fan allows for customizable ventilation to suit various cooking needs.

## *300 CFM Powerful Suction*

Efficiently eliminate smoke, grease, and odors



Figure 2: Illustration of the range hood's powerful 300 CFM suction, efficiently removing smoke and odors from the kitchen.

### **3.2 Brushless DC Motor**

The integrated brushless DC motor ensures quiet operation, maintaining noise levels below 45dB at high speed. This motor design also contributes to a longer lifespan, energy efficiency, and reduced maintenance requirements.

## *Brushless DC Motor*



Long Lifespan  
Reduces friction



Energy Saving  
Running efficiently



45 dB  
Quiet operation



Easy Maintenance  
Low cost

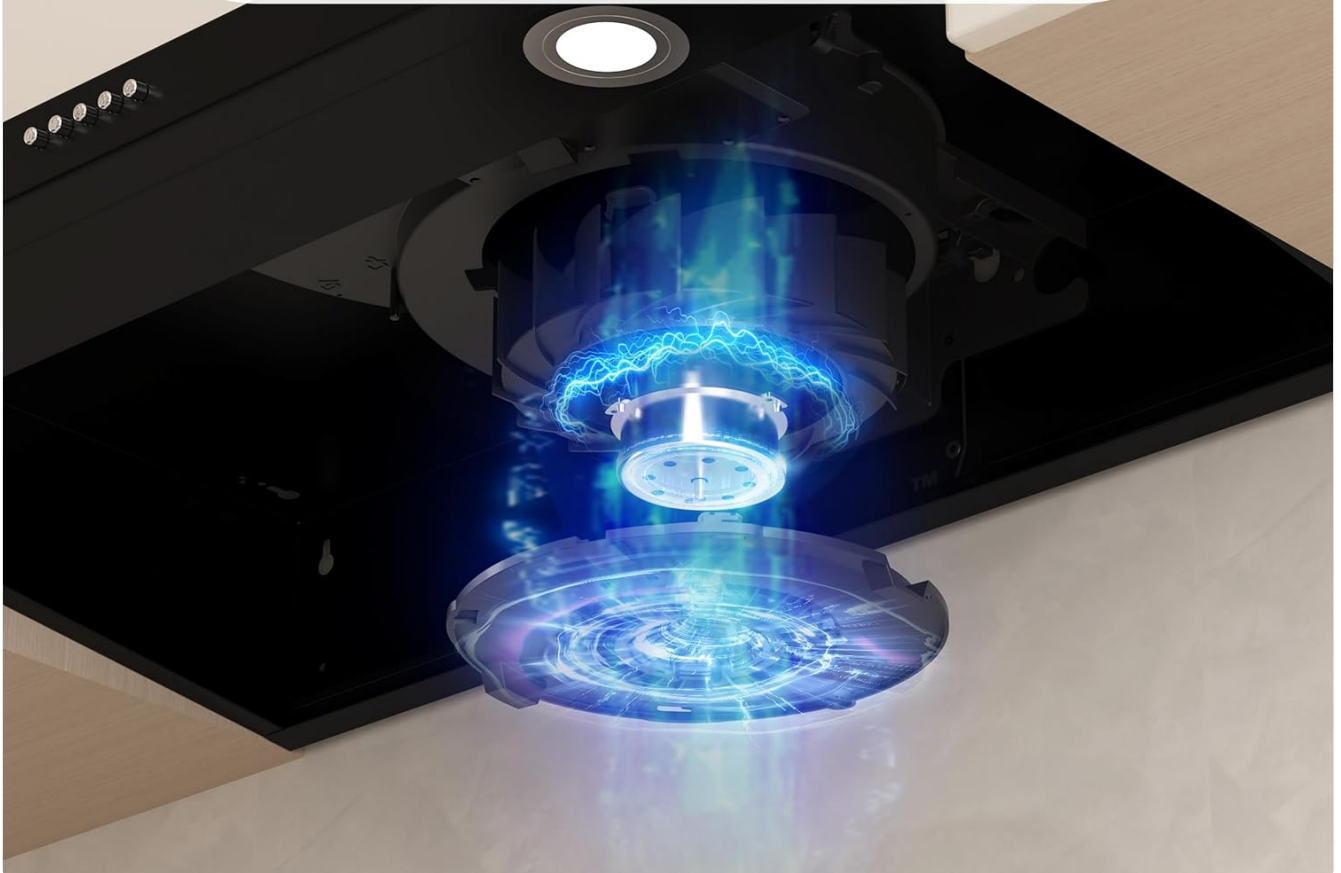


Figure 3: Diagram highlighting the benefits of the brushless DC motor, including long lifespan, energy saving, quiet operation, and low maintenance.

### **3.3 3-Speed Setting**

Control the ventilation intensity with three distinct fan speeds, easily adjustable via push-button controls. This allows you to select the appropriate airflow for light simmering to heavy frying.

## 3 Speed Setting

Provides customizable ventilation to suit all your cooking needs

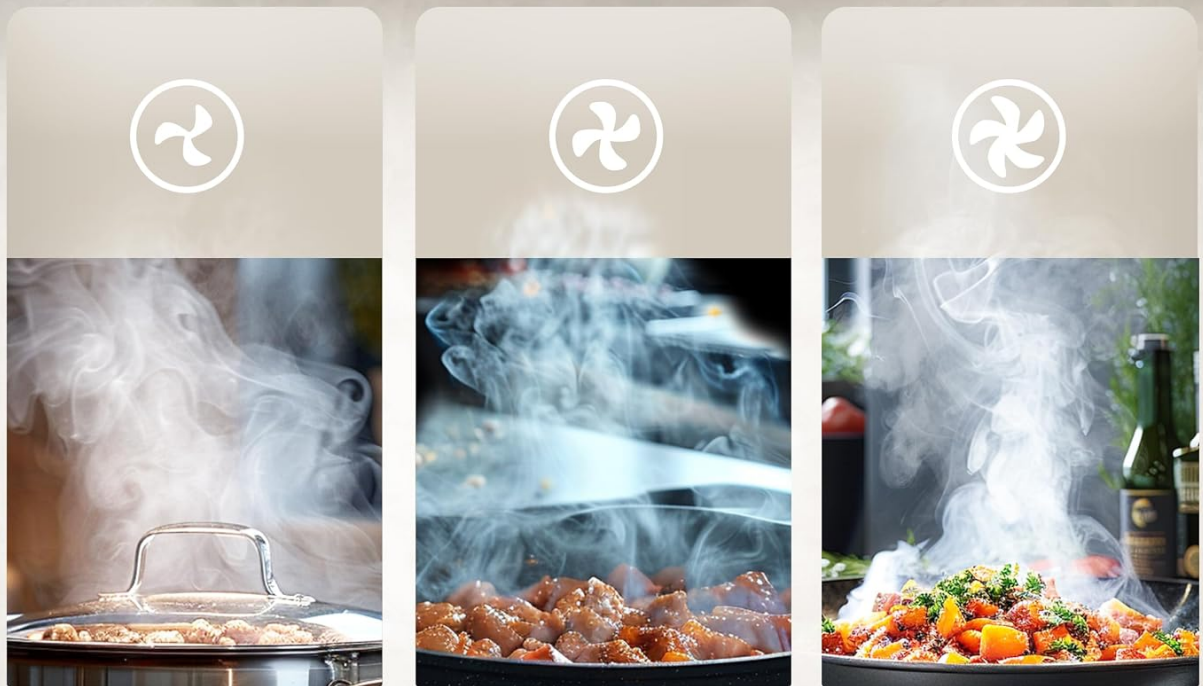


Figure 4: Visual representation of the three fan speed settings, demonstrating their effectiveness in different cooking scenarios.

### 3.4 Efficient Filtration System

The range hood features two 3-layer aluminum filters designed to effectively capture grease and pollutants. These filters are detachable, hand-washable, and dishwasher safe for easy cleaning and maintenance.

## *3-layer Reusable Aluminum Filters*

Effectively captures grease and contaminants from the smoke



Figure 5: Depiction of the 3-layer reusable aluminum filters, illustrating their detachability, hand-washability, and dishwasher-safe properties.

### **3.5 Energy-Efficient LED Lights**

Two 1.5-watt built-in LED lights illuminate your cooking surface, providing clear visibility while consuming minimal energy.

## *Energy-Efficient LED Lights*

Illuminate your cooking space



Figure 6: The range hood with its energy-efficient LED lights illuminating the stovetop, enhancing visibility during cooking.

### **3.6 Ducted & Ductless Convertible**

This range hood supports both ducted (vented to the outdoors) and ductless (recirculating with carbon filter) installation options, offering flexibility for various kitchen setups. A CC170 carbon filter is included for ductless conversion.

# *Ducted & Ductless Convertible*

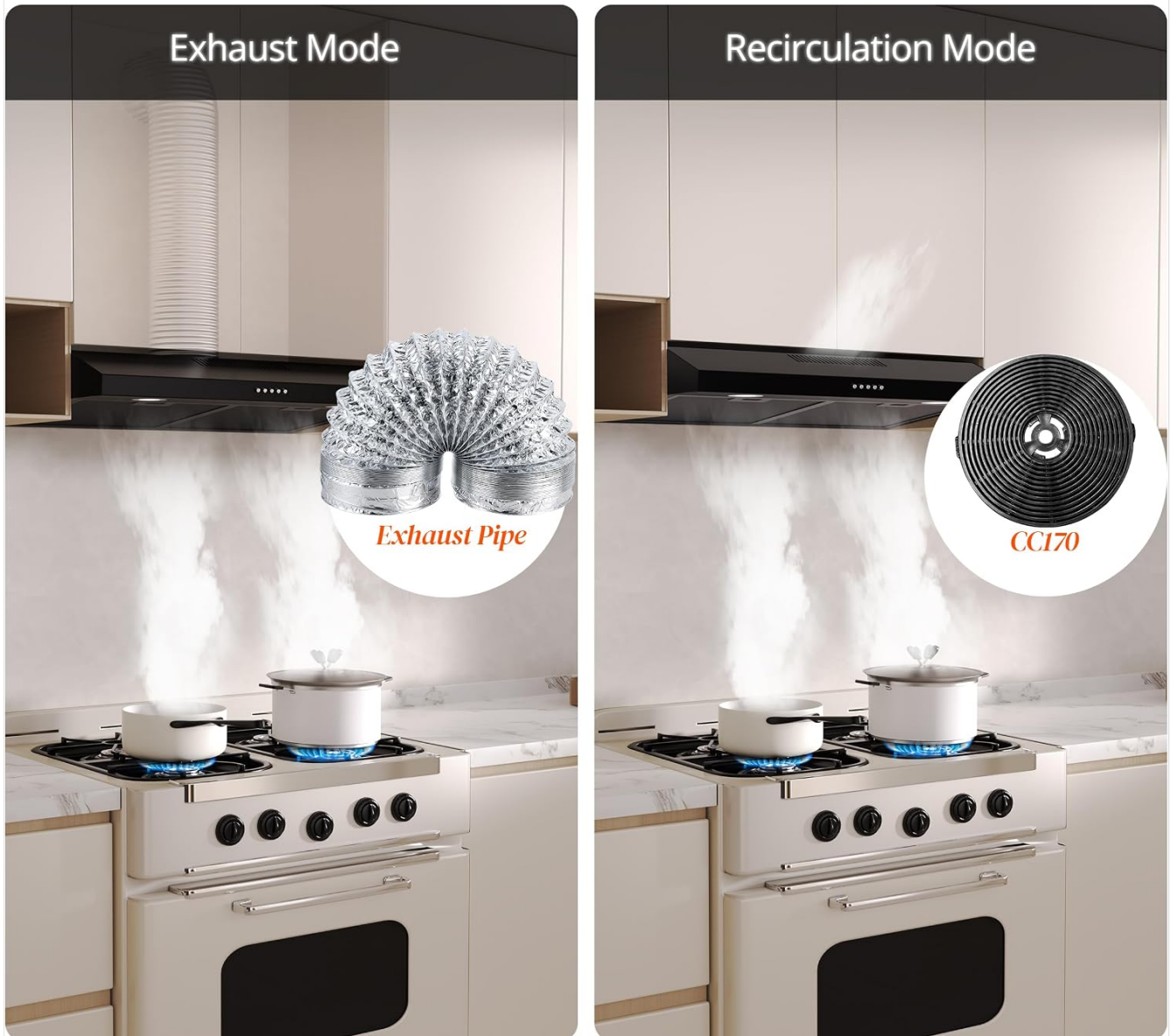


Figure 7: Comparison of Ducted (Exhaust Mode with pipe) and Ductless (Recirculation Mode with CC170 carbon filter) configurations.

## **4. INSTALLATION**

The FIREGAS Range Hood can be installed as an under-cabinet or wall-mount unit. Detailed installation instructions are provided in the separate Installation Manual and Installation Drawing included with your product. Please refer to these documents for step-by-step guidance.

### **4.1 Dimensions and Recommended Height**

The product dimensions are 29.5" x 18.9" x 5.3" (74.93 cm x 48.01 cm x 13.46 cm). The recommended installation height from the cooktop is between 25.6 inches and 30 inches.

## Dimension

Model Number : FGS-UBF21A1175AC



Figure 8: Detailed dimensions of the range hood and recommended installation height above a cooktop.

### 4.2 Package Contents

Before beginning installation, ensure all components are present:

- 30 Inch Black Range Hood
- Aluminum Filters (2x)
- Carbon Filter (Model: CC170)
- Installation Manual
- Installation Drawing
- Screw Pack
- Vent Cover
- Dampers
- Air Outlet
- Square to round outlet adaptor

## Package Includes



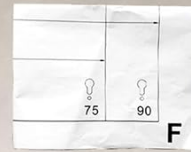
Charcoal Filter  
Model: CC170



Screws



Manual



Installation Drawing



Vent Cover



Dampers



Air Outlet



Square to round  
outlet adaptor

Figure 9: All components included in the product package, such as the charcoal filter, screws, manual, and various vent accessories.

## 5. OPERATING INSTRUCTIONS

The range hood is controlled via push buttons located on the front panel.

### 5.1 Fan Speed Control

Press the fan speed buttons to cycle through the three available speeds (Low, Medium, High) to adjust the ventilation power according to your cooking needs. Press the power button to turn the fan off.

### 5.2 Light Control

Press the light button to turn the LED lights on or off. The lights provide illumination for your cooking area.

## 6. MAINTENANCE AND CLEANING

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

### 6.1 Cleaning Aluminum Filters

The 3-layer aluminum filters should be cleaned regularly (e.g., monthly, depending on cooking frequency) to prevent grease buildup. They are detachable, hand-washable, and dishwasher safe.

- To remove: Push the filter latch and pull down the filter.
- To clean: Wash in warm soapy water or place in a dishwasher. Ensure filters are completely dry before re-installing.
- To re-install: Align the filter with the slots and push up until it clicks into place.

### 6.2 Replacing Carbon Filters (Ductless Mode Only)

If your range hood is configured for ductless (recirculating) operation, the carbon filter (Model: CC170) needs to be replaced periodically (typically every 3-6 months, depending on usage). Refer to the Installation Manual for specific instructions on carbon filter replacement.

### 6.3 Exterior Cleaning

Clean the exterior surfaces of the range hood with a soft cloth and mild detergent. Avoid abrasive cleaners or scouring pads, which can damage the finish.

## 7. TROUBLESHOOTING

If you experience issues with your range hood, consult the following table for common problems and solutions:

| Problem              | Possible Cause                                                                       | Solution                                                                                      |
|----------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Fan does not operate | No power supply<br>Motor malfunction                                                 | Check power cord connection and circuit breaker<br>Contact customer support                   |
| Lights do not work   | LED bulb failure<br>Wiring issue                                                     | Replace LED bulbs (if replaceable)<br>Contact customer support                                |
| Poor suction         | Clogged filters<br>Improper installation (e.g., ducting issues)<br>Fan speed too low | Clean or replace filters<br>Verify ducting is clear and properly sealed<br>Increase fan speed |
| Excessive noise      | Loose parts<br>Improper installation<br>Motor issue                                  | Check for loose screws or components<br>Ensure proper mounting<br>Contact customer support    |

## 8. SPECIFICATIONS

Detailed technical specifications for the FIREGAS Range Hood Model FGS-UBF21A1175AC:

| Specification                  | Value                                                           |
|--------------------------------|-----------------------------------------------------------------|
| Model Number                   | FGS-UBF21A1175AC                                                |
| Material                       | Aluminum, Stainless Steel (#430 thick brushed stainless steel)  |
| Mounting Style                 | Under Cabinet Mount                                             |
| Product Dimensions (L x W x H) | 29.5" x 18.9" x 5.3" (74.93 x 48.01 x 13.46 cm)                 |
| Net Weight                     | 16 lbs (6.8 kg)                                                 |
| Rated Voltage                  | 120V / 60Hz (USA and Canada Standard)                           |
| Motor Type                     | Brushless DC Motor (1 x 38W)                                    |
| Light Power                    | 2 x 1.5W built-in LEDs                                          |
| Airflow Capacity               | 300 CFM (Cubic Feet Per Minute)                                 |
| Number of Speeds               | 3                                                               |
| Noise Level                    | <45dB (at high speed)                                           |
| Control Type                   | Push Button Control                                             |
| Filter Type                    | 3-layer Aluminum Filters (2x), Carbon Filter (1x, Model: CC170) |
| Ventilation Type               | Ducted/Vented and Ductless Convertible                          |
| Certification                  | ETL (meets US and Canada safety standards)                      |

9. WARRANTY AND CUSTOMER SUPPORT

The FIREGAS Range Hood comes with a **1-year limited parts warranty**. 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. Refer to your purchase documentation for specific contact details or visit the official FIREGAS website.