

COSMO COS-30IRHP

COSMO COS-30IRHP 30 in. Lumin Collection Insert Range Hood

User Manual

Model: COS-30IRHP | Brand: COSMO

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1. INTRODUCTION

This user manual provides detailed instructions for the installation, operation, and maintenance of your COSMO COS-30IRHP 30-inch Lumin Collection Insert Range Hood. Please read this manual thoroughly before installation and use to ensure proper function and safety. Keep this manual for future reference.

The COSMO COS-30IRHP is designed to integrate seamlessly into custom cabinet enclosures, offering efficient ventilation with a sleek, modern appearance. It features a 380 CFM motor, 3 fan speeds, soft touch controls, and energy-efficient LED lighting. The durable stainless steel construction and dishwasher-safe ARC-FLOW Permanent Filters ensure long-lasting performance and easy maintenance.

2. IMPORTANT SAFETY INFORMATION

Always adhere to basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, or injury to persons.

- **WARNING:** To provide protection against electric shock, connect to properly grounded outlets only.
- This appliance is intended for normal household use only. Do not use for purposes other than its intended use.
- Before servicing or cleaning, switch power off at the service panel and lock the service disconnecting means to prevent power from being switched on accidentally.
- Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
- 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.
- To reduce the risk of fire, use only metal ductwork.
- To reduce the risk of a range top grease fire:
 - Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.
 - Always turn hood ON when cooking at high heat or when flambéing food.
 - Clean ventilating fans frequently. Grease should not be allowed to accumulate on fan or filter.
 - Use proper pan size. Always use cookware appropriate for the size of the surface element.
- In the event of a range top grease fire:
 - SMOTHER FLAMES with a close-fitting lid, cookie sheet, or metal tray, then turn off the burner.
 - NEVER PICK UP A FLAMING PAN—you may be burned.
 - DO NOT USE WATER, including wet dishcloths or towels—a violent steam explosion will result.
 - Use an extinguisher ONLY if:
 - You know you have a Class ABC extinguisher, and you already know how to operate it.
 - The fire is small and contained.
 - The fire department is being called.
 - You can fight the fire with your back to an exit.



Image: Rear view of the range hood showing the warning label regarding electrical grounding. This label emphasizes the importance of connecting the unit to properly grounded outlets to prevent electric shock.

3. INSTALLATION INSTRUCTIONS

3.1 Pre-Installation Considerations

Before beginning installation, ensure you have all necessary tools and components. Verify the dimensions of your cabinet enclosure and the range hood to ensure a proper fit. The recommended distance between the cooktop and the range hood is 24 to 36 inches.

- **Electrical Requirements:** The unit requires 120V/60Hz and comes with a 3-prong plug. Ensure your electrical outlet is properly grounded.

- **Ducting:** This model is designed for ducted operation with a 5.9-inch round duct. For ductless (recirculating) operation, a carbon filter kit (CFK1-TM, sold separately) is required.

How to Choose a COSMO Range Hood

1. Identify if a Range Hood is Ducted or Ductless

- Ducted range hoods requires ducts to vent outside through a wall or roof.
- Ductless range hoods circulate air back to the kitchen. Requires a charcoal filter kit.

2. Pick From the Different Range Hood Types

- **Under Cabinet** - Mounted directly underneath a wall cabinet. Ductwork is hidden away.



- **Insert** - Fits into a custom cabinet enclosure. Measure both the enclosure and the range hood to ensure a fit.



- **Wall Mount** - Mounted to a wall without a kitchen cabinet above them. Comes with a chimney on top.



- **Island Mount** - Mounts to the ceiling without anything around it. Comes with a four-sided enclosure.



3. Measure the Width and Know the Vent Size

- Range hoods are constructed in 24", 30", 36" and 48" widths.

NOTE: Range hoods will be slightly smaller than listed common size to fit into the space.

- Vents are placed on either the top or the rear depending on the range hood.
- Vents come in 4"-8", either round or rectangular depending on the range hood.

4. Measure the Kitchen Space Before Installing

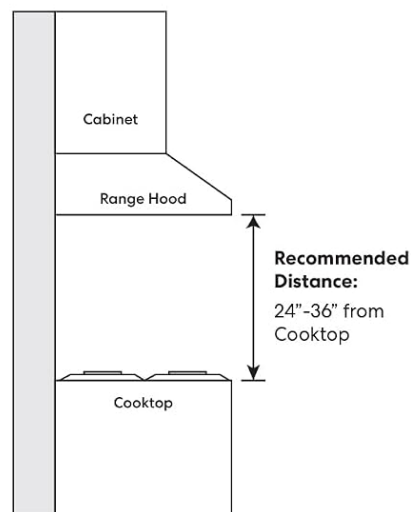


Image: A diagram illustrating different range hood types (under cabinet, insert, wall mount, island mount) and a guide on how to measure the kitchen space for installation, including recommended distances from the cooktop.

3.2 Mounting the Range Hood

The COS-30IRHP is an insert mount range hood, designed to fit into a custom cabinet. Follow these general steps for mounting:

1. Prepare the cabinet opening according to the product dimensions (11.5"D x 27.8"W x 11.4"H).
2. Ensure adequate structural support within the cabinet for the hood's weight (approximately 15.9 pounds).
3. Route the electrical wiring and ductwork through the cabinet before inserting the hood.
4. Carefully lift the range hood into the prepared opening.

5. Secure the hood to the cabinet using appropriate fasteners (not included, typically). Refer to the specific mounting points on the hood.



Image: Front view of the COSMO COS-30IRHP range hood, showing the LED lights, control panel, and baffle filters. This view is typical of how the hood appears when installed within a cabinet.



Image: Side view of the COSMO COS-30IRHP range hood, illustrating its depth and profile for cabinet integration.

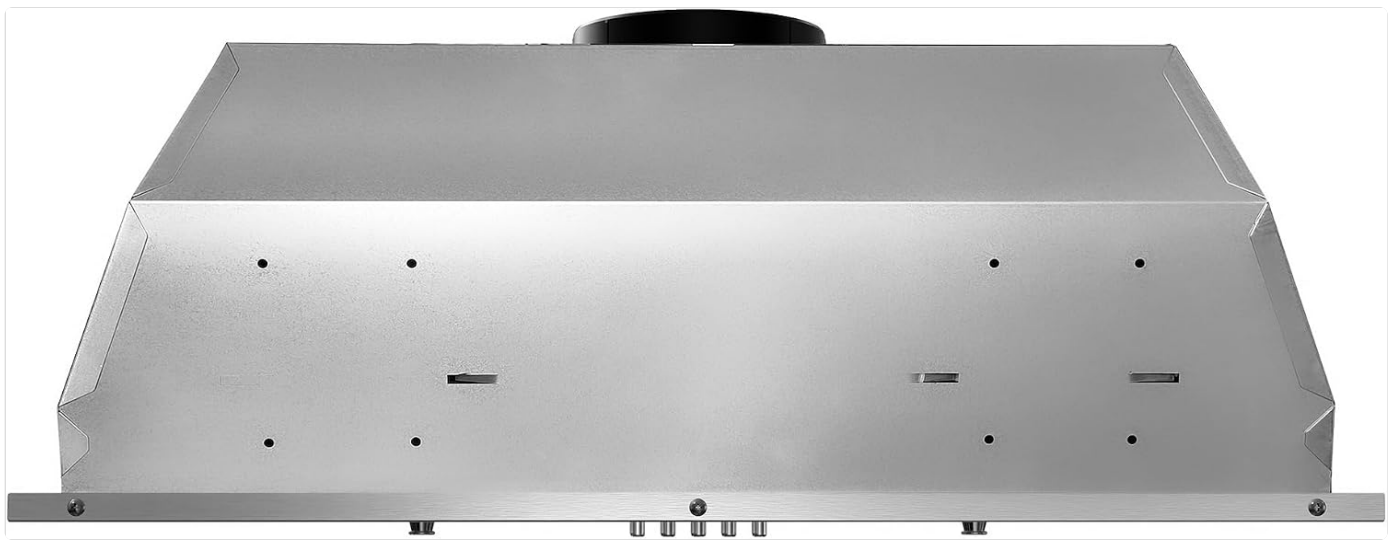


Image: A direct frontal view of the COSMO COS-30IRHP range hood, highlighting the control panel and the two baffle filter sections.



Image: Internal view of the range hood, showing the central motor housing and electrical wiring connections. This view is relevant for understanding the internal components and ducting attachment point.



Image: Bottom view of the range hood, clearly showing the two removable baffle filters and the two integrated LED lights. This is the primary view from below when installed.



Image: The COSMO COS-30IRHP range hood installed seamlessly into a kitchen cabinet above a cooktop, demonstrating its integrated appearance.

3.3 Ducting Options

The COS-30IRHP can be installed as a ducted or ductless (recirculating) system.

- **Ducted Installation:** For optimal performance, connect the 5.9-inch round exhaust outlet to rigid metal ductwork that vents directly to the outdoors. Minimize duct length and turns for best airflow.
- **Ductless (Recirculating) Installation:** If external venting is not possible, install the optional carbon filter kit (CFK1-TM). This kit allows the hood to filter air and recirculate it back into the kitchen. Note that airflow performance may be reduced in recirculating mode.



Image: Top view of the range hood, clearly showing the circular duct connection point and the power cord. This view is important for understanding how the unit connects to the ventilation system.

4. OPERATION

The COSMO COS-30IRHP features a user-friendly push-button control panel located on the front of the unit.



Image: A close-up view of the push-button control panel on the range hood, showing the power, fan speed (1, 2, 3), and light buttons.

Easier Operation

Push Button Controls

Control the power, fan speed and lights with the push of a button.



★ Light
⏻ Power

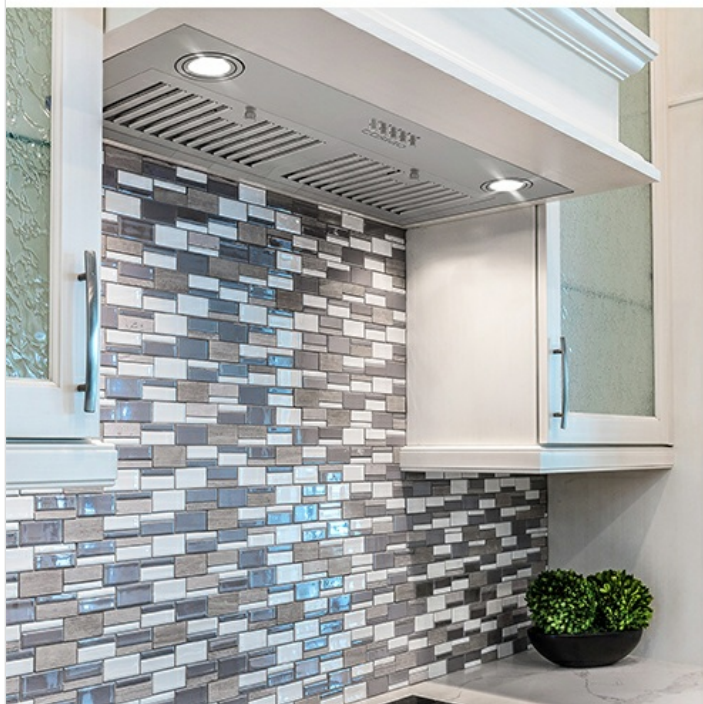
1 Low Speed
2 Medium Speed
3 High Speed

- Push Button Control Panel
- 3-Speed Fan Control



Image: A diagram detailing the functions of each button on the control panel (Power, Light, Fan Speeds 1, 2, 3) alongside a dimensional drawing of the range hood.

- **Power Button (⏻):** Press to turn the range hood on or off.
- **Fan Speed Buttons (1, 2, 3):**
 - **1 (Low Speed):** Ideal for simmering or light cooking.
 - **2 (Medium Speed):** Suitable for general cooking.
 - **3 (High Speed):** Use for heavy frying, grilling, or when producing significant smoke/steam.
- **Light Button (★):** Press to turn the LED lights on or off. The lights provide bright illumination for your cooking area.



COS-30IRHP

30 IN. INSERT RANGE HOOD

A Better Home Starts With Cosmo

*Bringing you the premium luxury appliances of
your dreams---at a revolutionary price.*



Safety Matters

ETL Listed products demonstrate compliance to North American safety standards published by relevant NRTLs (Nationally Recognized Testing Laboratories).

Image: An infographic highlighting key performance features such as low noise level (as low as 45 dB), push button controls, LED lighting, top vented design, and 3-prong plug, along with an illustration of the hood. It also mentions convertibility to ductless operation with an optional carbon filter kit.

5. MAINTENANCE

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

5.1 Cleaning the ARC-FLOW Permanent Filters

The ARC-FLOW Permanent Filters are designed for durability and easy cleaning. They effectively trap grease and can be washed repeatedly.

1. Turn off the range hood and disconnect power before cleaning.
2. Remove the filters by pulling the spring release latch and gently lowering the filter.
3. Clean the filters in a dishwasher or by hand using hot water and a non-abrasive detergent. For stubborn grease, soak the filters before cleaning.
4. Allow filters to dry completely before reinstalling.
5. Reinstall the filters by aligning them with the slots and pushing them up until the latch clicks into place.

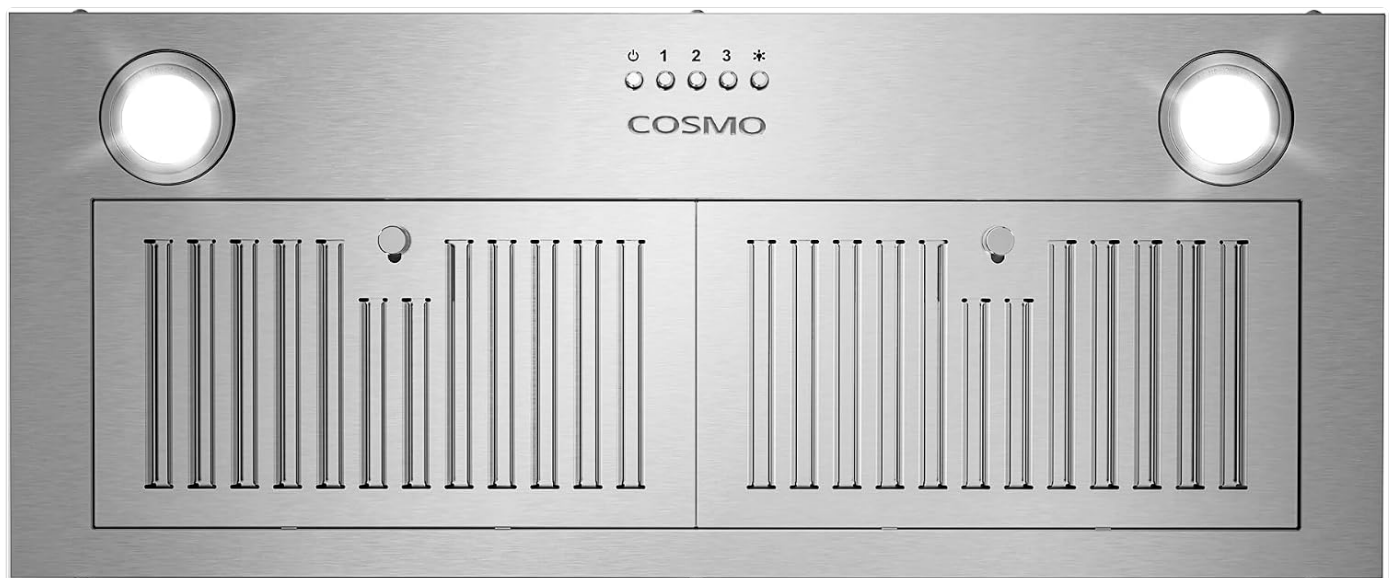
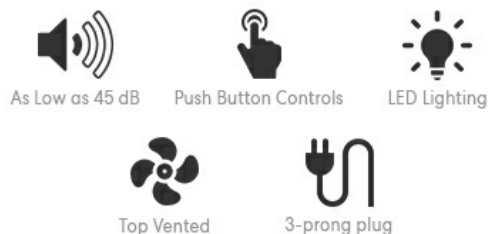


Image: A close-up view of the stainless steel ARC-FLOW Permanent Filter, highlighting its design for efficient grease capture.

Quality Performance

Efficient Airflow

Efficient suction ventilates the kitchen with 3 fan speeds to adjust to your needs. Housed in premium stainless steel.



Convertible to Ductless Operation with Carbon Filter Kit Part # CFK1-TM (Sold Separately)

Image: An infographic explaining the benefits of ARC-FLOW Permanent Filters, including their dishwasher-safe nature, durability, and ability to trap grease particles for efficient airflow. It also includes a comparison table for different venting types.

5.2 General Cleaning

Clean the exterior surfaces of the range hood regularly with a clean cloth dampened with warm water and mild soap or a stainless steel cleaner. Do not use abrasive cleaners or scouring pads, as they can scratch the stainless steel finish.

5.3 LED Light Replacement

The 1.5-Watt LED lights are designed for long life and typically do not require frequent replacement. If a light needs to be replaced, contact COSMO customer support for assistance and genuine replacement parts.

COS-30IRHP

COSMO

Designed to seamlessly integrate into cabinetry, offering both ventilation and a clean streamlined appearance. Features permanent filters, LED lighting and push button controls.

Cosmo Appliances, the new name in modern luxury kitchen appliances is fast becoming a leader in manufacturing premium products known for seamlessly integrating performance, technology and design to advance the kitchen beyond mere form and function.



For a 30" Space
Actual Width: 27.8"



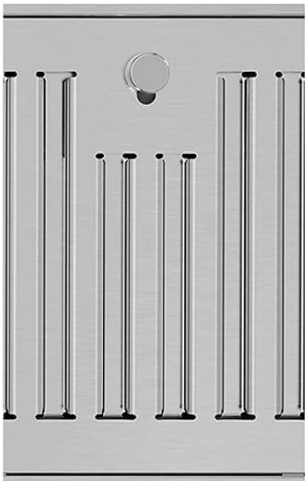
Convertible to Ductless
Carbon Filter Kit # CFK1-TM (Sold Separately)



As low as 45 decibels



3-Prong plug



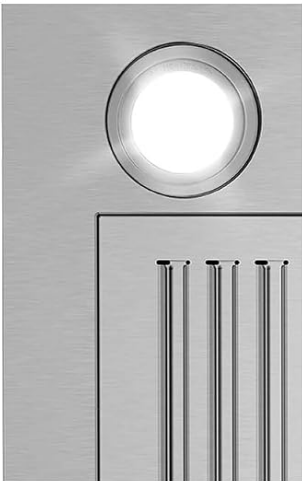
EFFICIENCY

ARC-FLOW® Permanent Filters are constructed of high quality stainless steel to effectively capture grease and cooking odors and keep the air fresh. Filters have unlimited uses and are dishwasher-safe.



DESIGN

Operate the range hood with push button controls. 3 fan speeds adjust to your needs, choose from high, medium and low suction to suit a variety of foods and cooking.



LIGHTING

With the included LED lights, you can rest assured this is an energy saving solution to lighting up your cooking area with style. Mounted directly below the range hood, cook and see better in the dark.



CONSTRUCTION

Constructed with premium 430-grade stainless steel, 26-gauge thickness. Suitable for top venting.

Image: A close-up view of one of the integrated LED lights on the range hood, showing its flush design.

6. TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions. If the problem persists, contact COSMO customer support.

Problem	Possible Cause	Solution
Hood does not operate.	No power supply.	Check if the power cord is properly plugged in. Verify the circuit breaker or fuse.
Lights not working.	LED light failure.	Contact customer support for replacement lights.

Problem	Possible Cause	Solution
Insufficient airflow.	Filters are dirty.	Clean or replace filters.
	Ductwork is obstructed or too long/restrictive.	Check ductwork for blockages or excessive bends. Ensure duct size is correct.
	Improper installation.	Verify installation according to manual.
Excessive noise.	Loose parts or improper installation.	Check all mounting screws and internal components for tightness.
	Motor imbalance.	Contact customer support if motor noise is unusual.
	Ductwork issues.	Ensure ductwork is securely connected and not vibrating.

7. SPECIFICATIONS

Feature	Detail
Model Number	COS-30IRHP
Dimensions (D x W x H)	11.5" x 27.8" x 11.4"
Material	Stainless Steel (430 grade, 26-Gauge thickness)
Air Flow Capacity	380 CFM (Cubic Feet Per Minute)
Noise Level	45 dB (lowest fan speed)
Number of Speeds	3
Controls Type	Push Button
Light Source Type	LED (1.5 Watts)
Filter Type	ARC-FLOW Permanent Filters (Baffle)
Mounting Type	Insert Mount
Duct Size	5.9" Round
Electrical Requirements	120V/60Hz, 3-Prong Plug
Item Weight	15.9 Pounds
Certification	ETL Listed
Included Components	Range Hood Insert

8. WARRANTY & SUPPORT

The COSMO COS-30IRHP comes with a **2-Year Limited Warranty**. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical assistance, or to purchase replacement parts (such as the carbon filter kit CFK1-TM), please contact COSMO customer support. Our customer support team is based in the USA and is ready to assist you.

COSMO Customer Support:

Website: www.cosmoappliances.com

Phone: Refer to the official COSMO website for the most current contact number.

Email: Refer to the official COSMO website for the most current contact email.

Please have your model number (COS-30IRHP) and purchase date available when contacting support.

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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

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