



# Innovative Ventilation for Ductless Use

**The industry's first retractable range hood** engineered for recirculating applications



# Designed & Engineered For Recirculating Operation

**Unlike traditional ductless ventilation, our retractable hood is not convertible, and that's a good thing.**

Introducing the first range hood exclusively designed, constructed, and tested for recirculating use. Instead of blocking airflow with a simple baffle, we've engineered a quieter, more efficient system with smarter technology while creating a sleek, seamless appearance to blend into any kitchen.

## Made In the USA

with American steel for long-lasting durability

## Minimalist Look

with hidden design & 4" height



## 2-Speed Fan

allows for an ultra-quiet or more powerful performance

## Angled Grille

directs air upwards and away from the chef

## Slide-Out Canopy

to cover more surface area

## Oversized Filters

to maximize ventilation



## Durable Construction

with metal ball-bearing glides

## Cross-Flow Fan

creates quiet, efficient, and effective ventilation

## 2 LED Lights Included

for better visibility

## More Effective Airflow

compared to convertible hoods used in recirculating mode

## So What's the CFM?

CFM (cubic feet per minute) measures how much air a range hood can move. The general perception is that the higher the CFM, the more powerful the ventilation. With Summit's retractable hood, the number is deceiving: because of the innovative cross-fan design that eliminates back pressure, our hoods outperform traditional axial fans despite having a lower CFM rating.

**To learn more,  
watch the video  
on our website**



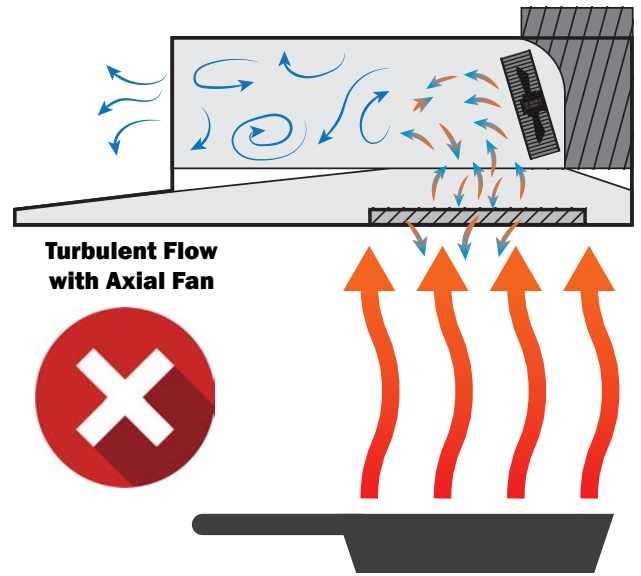
# Limitations of Convertible Hoods In Recirculating Mode

Most range hoods are designed for ducted installation, directing cooking air up the vent and out of the kitchen. In spaces without duct access (including many apartments), some hoods can convert to recirculating mode by sealing off the duct ports and redirecting air through front-facing louvers. This creates **turbulent airflow**. Since traditional hoods use **axial fans** intended for straight, vertical airflow, sealing the duct disrupts this path, causing air to move chaotically and bounce back down toward the cooking surface. This turbulence, or **back pressure**, reduces the efficacy of the hood in several ways:

- **Reduces airflow efficiency** by scattering grease
- **Increases** noise level
- **Strains** the fan, reducing hood's lifespan
- **Small filtration area** leads to more manual cleanup



**Axial Fan Design**



**Turbulent Flow with Axial Fan**

**Back pressure increases noise, reduces CFM, and directs grease particles in every direction**

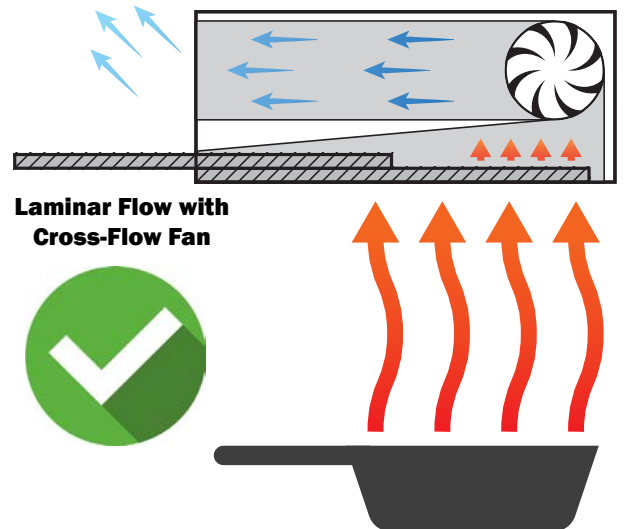
# Benefits of Summit's Recirculating Range Hood

Summit's retractable hood series is engineered specifically for recirculating applications. It uses a **cross-flow fan** that rotates horizontally and redirects air smoothly out of the front louvers. This design maintains **laminar airflow**, avoiding back pressure and minimizing noise. Though it operates at a lower CFM, its effective airflow outperforms traditional axial fans once turbulence-related losses are considered, delivering a quieter, more efficient performance tailored for recirculating use. Advantages include:

- **Efficient ventilation** as airflow is directed in one direction away from the user
- **Quiet performance** under 60 dB
- **Larger fan** cross-section efficiently captures grease & odors
- **Oversized filtration area** with two carbon/aluminum filters



**Cross-Flow Fan Design**



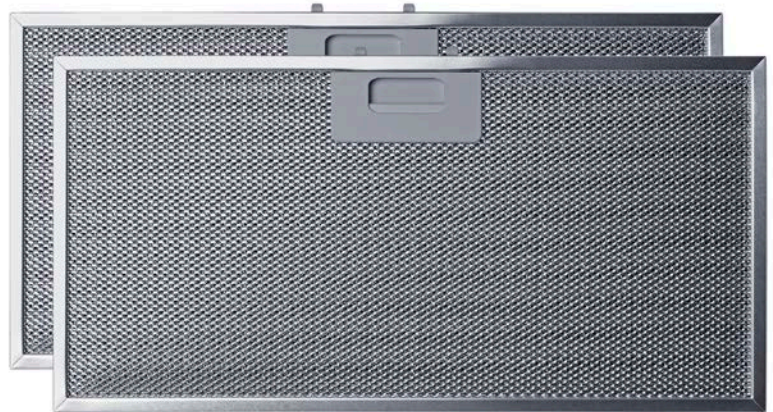
**Laminar Flow with Cross-Flow Fan**

**Cross-flow fan design creates a more effective, efficient, and silent ventilation process over traditional axial fan-based hoods**



# Retractable Hoods Designed For Small Kitchen Convenience

- **Engineered** for Ductless Operation
- **Low Profile** Retractable Design
- **4" Height** for a Sleek Fit
- **Aluminum Filters** With Odor-Removing Carbon Layer
- **Two-Speed** Fan
- **Two LED Light** Bulbs Included
- **Quiet** Performance
- **Made In the USA**
- **Standard & ADA-Compliant** Options



## Options For Every Space

**Widths: 18"/20"/24"**

Larger sizes available by special order

### Colors:

Stainless Steel

Black

White



**Available with a factory-installed cord and plug**



**ADA compliant options with separate wall switch**



**SKU: HRTX20SS**



**SKU: HRTX20W**



**SKU: HRTX20B**

Explore our retractable hood series at [summitappliance.com/retractable-range-hoods](https://summitappliance.com/retractable-range-hoods)



Traditional under cabinet and wall-mount range hoods are also available from 18" to 36" wide. For more information, contact our sales team at **718.893.3900** ext. **507** or [sales@summitappliance.com](mailto:sales@summitappliance.com)