

# 6 Indoor Air Quality Mitigation Strategies For Your Business

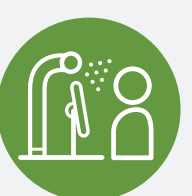
Improving indoor air quality (IAQ) is an essential part of protecting people from SARS-CoV-2 and other dangerous germs and pathogens. To assist you in navigating IAQ solutions, this infographic can help you evaluate key mitigation strategies for your business.

The slider next to each strategy helps you determine the ease of implementation. We recommend consulting an expert before pursuing any IAQ strategy.



## PORTABLE, FREE-STANDING HIGH-EFFICIENCY PARTICULATE AIR (HEPA) FILTERS

Portable air purifiers with HEPA filters are a cost-efficient method for improving IAQ that are readily available in the market. Working with a professional to ensure proper placement, maintenance, and filter replacement is critical for safety, however.



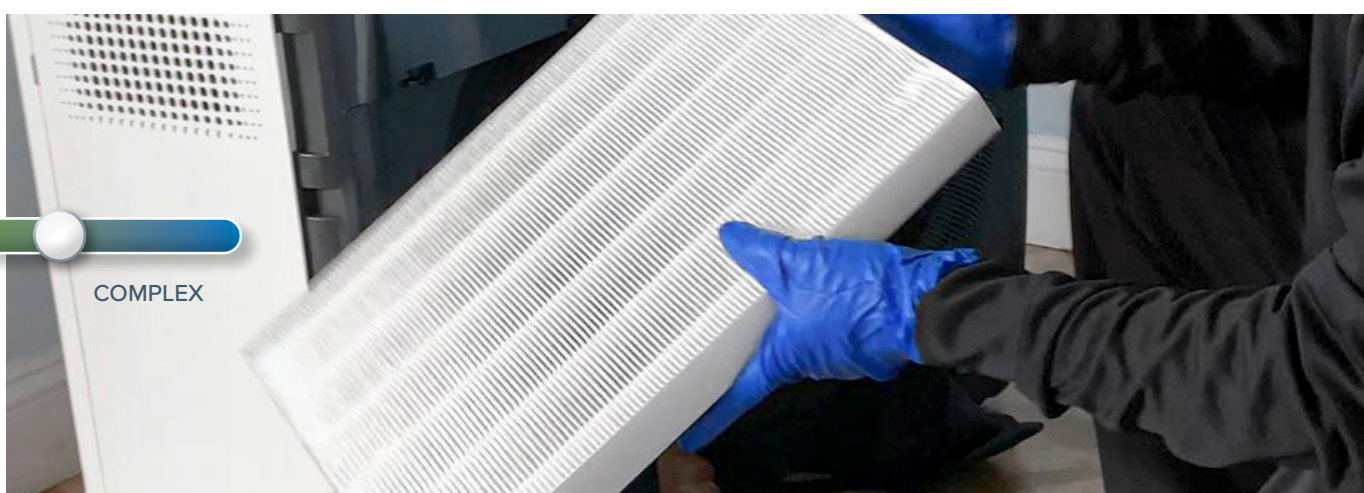
## PERSONALIZED VENTILATION SYSTEMS FOR CERTAIN HIGH-RISK TASKS

To limit potential exposure to airborne contaminants, these systems introduce outdoor or highly-filtered air to a person's breathing zone. They can also provide enhanced local exhaust source control.



## ENHANCED FILTRATION

If your HVAC or ventilation system supports it, use higher-rated MERV filters. ASHRAE recommends MERV-13 filters or "the highest level achievable." Consult an expert as the age or condition of your system may limit the filtration level you can use.



## TEMPERATURE AND HUMIDITY CONTROL

This tactic can help limit the survival of microorganisms but should be undertaken carefully, especially in sensitive and cold weather environments



A relative humidity (RH) between **40% and 60%** is the most unfavorable to pathogens.



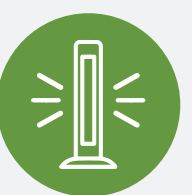
## LOCAL EXHAUST VENTILATION (LEV) FOR SOURCE CONTROL

LEV systems, such as fans, hoods, and ducts, can help protect people from contaminated air by efficiently increasing the air flow of a space.



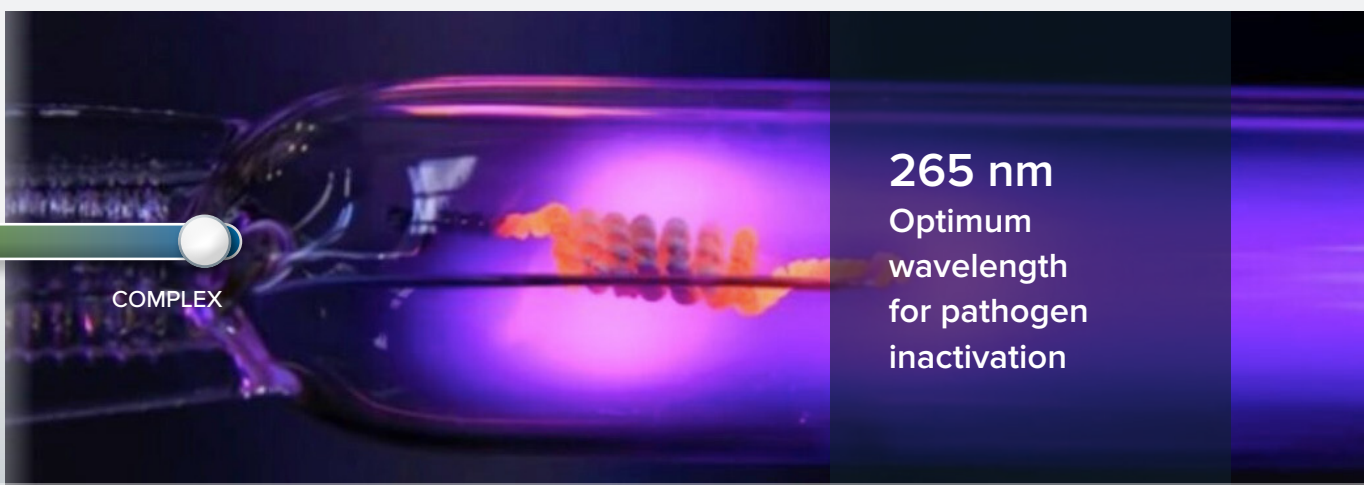
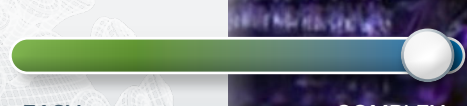
LEV systems are often used in

- Welding environments
- Laboratories
- Paint and body shops
- Woodworking environments



## UPPER-ROOM UVGI

Ultraviolet germicidal irradiation (UVGI) can be used in some HVAC systems to kill or inactivate microorganisms. UV-C energy created should be between 200 to 280 nm in wavelength."



**265 nm**  
Optimum wavelength for pathogen inactivation