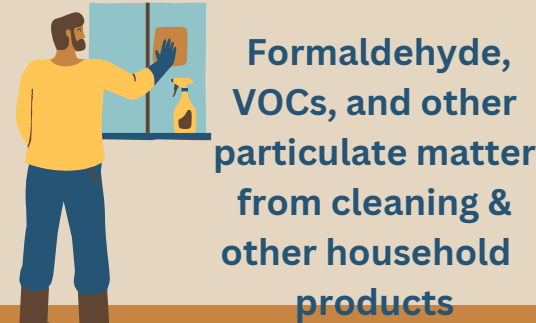
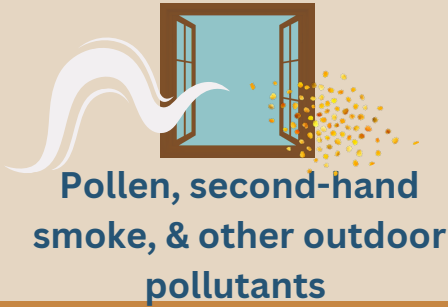


Indoor Air Quality

We spend 90% of our time indoors, where pollutants are often 2-5 times higher than outdoors

Air purification devices are very effective in removing harmful pollutants indoors

Common Indoor Pollutants



Understanding Labels

ENERGY STAR labels means that they meet the **energy efficiency** guidelines set by the EPA, it does not say anything about their ability to filter indoor air


Avoid **ozone generating** air purifiers as they are harmful to health and are not very effective. Many negative-ion purifiers and UV-light purifiers produce ozone and are ineffective.

Suggested Closed Room Size:

180



 **Smoke = 120**
(small pollutants)

 **Dust = 120**
(medium pollutants)

 **Pollen = 120**
(large pollutants)

This air cleaner complies with the federal ozone emission limit

ARB Certified

Clean Air Delivery Rate

Higher CADR rating = More effective air filtration

CADR score should be at least **2/3 of the room's area**



= Minimum CADR of **120**

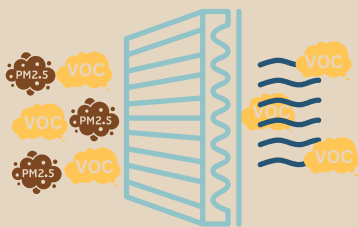
CADR ratings may differ by size pollutant

Types of Air Filters

HEPA Filter

Type of filter that forces air through its fibers to trap harmful particles

Effective in removing particulate matter and other solids

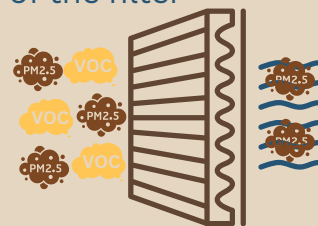


Examples: Pollen, bacteria, dust-mites, smoke, etc.

Activated Carbon Filter

Traps gases through a process called absorption where the gases react with the carbon to stick on the surface of the filter

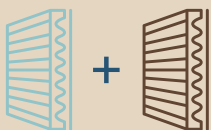
Effective in removing odors, gases, and volatile organic compounds (VOCs)



Examples: VOCs from paint, aerosol sprays, printers, mattresses

Tips for Portable Air Purifiers

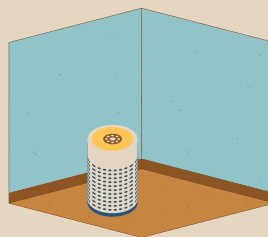
Air purifiers with both HEPA filters and an activated carbon filter work better, but may be more expensive



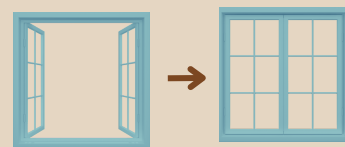
Replace/clean filters using gloves and N-95 mask as instructed by manufactures



Place air purifier where airflow won't be blocked

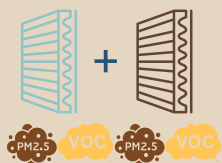


Will clean the air of a room better if all windows and doors are closed

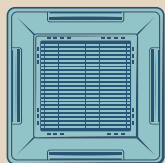


Tips for HVAC Filtration

To remove both gases and particles, purchase 2-in-1 MERV-rated and carbon activated filters



Understand what size filters your HVAC system needs and what is the maximum MERV that the HVAC system can handle



An MERV rating of 10-13 is recommended for most HVAC systems

HVAC filters will only filter air when system is running, therefore, a portable air purifier may help reduce energy costs



Carefully replace HVAC filters about every two to three months wearing gloves and N-95 mask

