

SOURCES & RESOURCES

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this zine + others!

PERSONAL FAV

Anything from Clean Air Kits,
especially the Luggable XXL

Thanks for reading!

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HOW TO CHOOSE AN



AIR PURIFIER

INTRO

Choosing an air purifier can be an intimidating process. This zine is meant as a beginner's guide!

Covid is airborne. It is spread primarily by exhaled particles that hang in the air like smoke. Air purifiers work by scrubbing the air in a room and trapping Covid aerosols in their filters.

Using air purifiers (in combination with increasing ventilation - opening windows, using fans) is a powerful layer of protection from Covid.

TYPES OF PURIFIERS

HEPA

These are conventional air purifiers, they often come with optional carbon filters (helpful if you additionally wanna filter VOCs + odors) + many bells & whistles.

CR Boxes

In their most rudimentary form, these are MERV13 filters duct taped to a box fan, but you can also get CR box kits that use computer fans for extremely quiet & efficient air purification.

TYPES OF FILTERS

MERV13

For HVAC systems, typically used in CR box style air purifiers. MERV filters have various different ratings, you want 13 or better.

HEPA

Generally found in conventional air purifiers, stands for "high efficiency particulate air" filter.

Both filter types work for COVID by capturing aerosolized particles.

**5+ AIR CHANGES
PER HOUR is
the gold standard
for COVID.**

You'll probably have to do a lil math to figure out the 5 ACH coverage of the purifier you're looking at.

Most manufacturers tend to list the square footage per hour:

- Purifies 1,560 ft² in 30 mins,
3,120 ft² in 60 mins

Our example purifier cleans 3120 sq ft in 1 hour. That's 3120 sq ft 1 ACH. To find the 5 ACH coverage, divide that 1 ACH number by 5:

$$3120/5 = 624$$

So our example purifier cleans 624 sq ft 5 times per hour (or 624 sq ft 5 ACH).

Ideally, you want the 5 ACH coverage to be the same or bigger than the square footage of your space. Any air changes are better than none, though!!

UPKEEP

Regular upkeep is extremely important!

Check on the filter(s) according to the manufacturer's recommendation. Set a calendar reminder so you don't forget!

Sometimes filters need changed sooner, depending on frequency of use!

Consider buying a back-up filter in advance to have on hand.