

Build Your Own

Corsi-Rosenthal Box

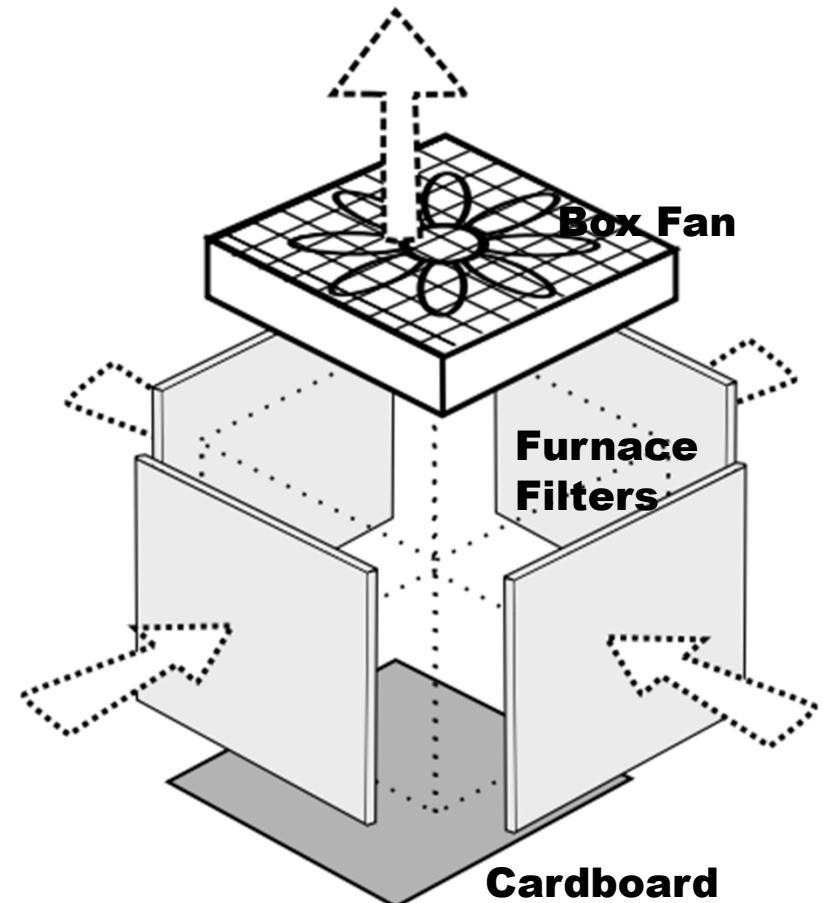
Why build a Corsi-Rosenthal Box?

- One of these devices can remove harmful smoke, virus, and other particles from the air in your home
- Port Alberni sometimes has unhealthy air due to wildfire smoke, atmospheric heat inversions, vehicle exhaust, wood stove smoke, and other causes
- The health effects of these tiny particles can be serious, because some can actually enter your bloodstream

It's easy to build!

- Google "how to build a Corsi-Rosenthal Box" to see videos and instructions

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Building a Corsi-Rosenthal Box

You can build your own Corsi-Rosenthal Box for about \$100 to \$300.

Parts list:

1 20×20” box fan

4 20×20” furnace filters, MERV 11-13 (e.g. 3M Filtrete 1500-1900)

2 20×20” sheets of cardboard (the box fan’s cardboard box may be used)

Duct tape

Instructions:

<https://blink.ucsd.edu/files/safety-tab/COVID-filter-system-poster.pdf>

Or Google “How to build a Corsi-Rosenthal Box”

For PM2.5 effectiveness with 3M, the “Healthy Living” sub-model must be used

About the Port Alberni Air Quality Council

The Port Alberni Air Quality Council is a non-profit organization committed to improving air quality in the Alberni Valley. It works in conjunction with the Alberni-Clayoquot Regional District, the BC Ministry of Environment, Island Health, and other local and regional stakeholders.

Contact us at aqc.coordinator@gmail.com



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