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What is a Corsi Rosenthal (CR) Box?

A Corsi-Rosenthal Box is a DIY method of building your own air filter with MERV13 furnace filters and a box fan that is an alternative to traditional air purifiers on the market. Corsi Rosenthal DIY air purifiers are comparable to expensive air purifiers, but are a fraction of the cost.

How are CR boxes helpful?

From Uconn Today: “The Corsi-Rosenthal box **works against infectious aerosols in the air**. The results are really powerful. Three different sets of biochamber testing data show that these air filters reduce the amount of infectious virus in the air and capture both smaller and larger sized particles.”

They can clean the air from COVID (along with other airborne viruses), mold, wildfire smoke, pollen, dust and more!

Different types of CR boxes & prices

There are many different styles of Corsi Rosenthal boxes, triangles and even single filters! For this document we will cover three most common and affordable boxes and their approximate costs.

Single Filter Corsi Rosenthal



The Single Filter Corsi Rosenthal box is one of the easiest to assemble and most cost effective. Items you will need include:

- One [20 inch box fan](#) (which can range from \$20-\$40)
- One 20 x 20 x 2 inch MERV 13 filter (you can purchase a [2 pack](#) here for \$36)
- One roll of [duct tape](#) (ranges from \$3-\$7)
- (Optional) Scissors

Total Approximate Cost ranges \$60-\$70

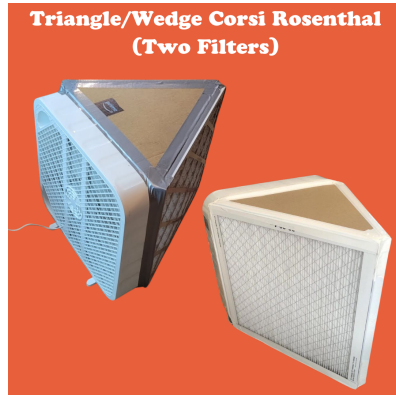
On average, this air purifier can cover up to 300 square ft.



You also have the option to [purchase a 2-in-1 air purifier](#), and just replace the air filter as needed.

Two Filter Corsi Rosenthal (Wedge/Triangle)

The Wedge/Triangle Corsi Rosenthal is another DIY option if you want an air purifier to cover more space.



Items you will need include:

- One [20 inch box fan](#) (which can range from \$20-\$40)
- Two 20 x 20 x 2 inch MERV 13 filter (you can purchase a [2 pack](#) here for \$36)
- One roll of [duct tape](#) (ranges from \$3-\$7)
- Scissors
- Measuring Tape/Ruler

Total Approximate Cost ranges \$60-\$70

On average, this air purifier can cover up to 400 square ft.

Four Filter Corsi Rosenthal (Box)

The Corsi Rosenthal Box is one of the most common of the Corsi Rosenthal types.



Items you will need include:

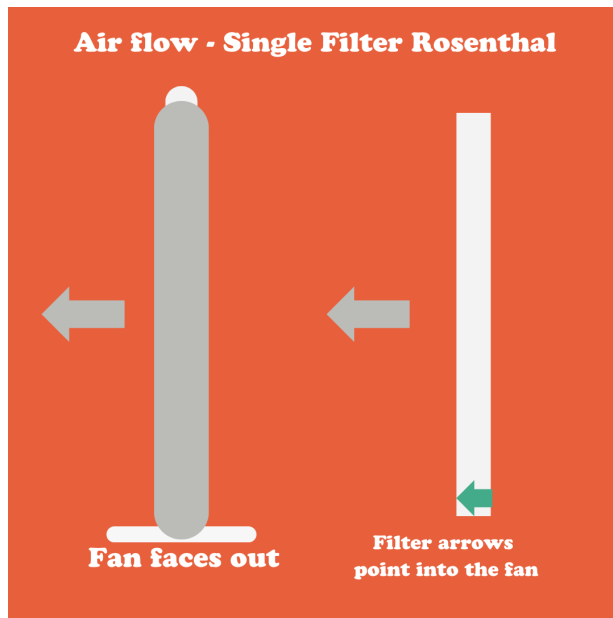
- One [20 inch box fan](#) (which can range from \$20-\$40)
- Four 20 x 20 x 1 inch MERV 13 filter (you can purchase a [4 pack](#) here for \$41)
- One roll of [duct tape](#) (ranges from \$3-\$7)
- Scissors
- Measuring Tape/Ruler

Total Approximate Cost ranges \$70-\$85 On average, this air purifier can cover up to 600 square ft.

You can also purchase a Corsi Rosenthal Box [here](#).

How to assemble CR boxes

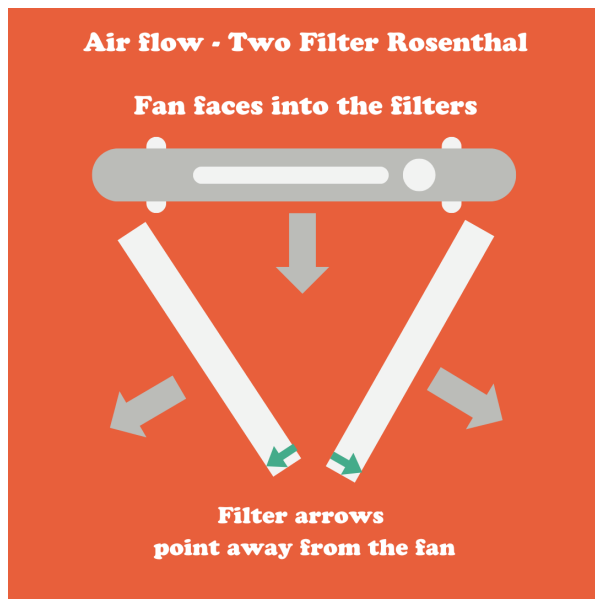
Single Filter Corsi Rosenthal



You can click on [this link](#) to watch a step by step video of how to assemble a Single Filter Corsi.

Be sure to keep Air flow in mind as you assemble your air purifier. Be mindful of which way the fan is facing, and which way the arrows are pointing on the filters of your DIY air purifier.

Two Filter Corsi Rosenthal (Wedge/Triangle)



You can click on [this link](#) to watch a step by step video of how to assemble a Two Filter Corsi.

Be sure to keep Air flow in mind as you assemble your air purifier. Be mindful of which way the fan is facing, and which way the arrows are pointing on the filters of your DIY air purifier.

Four Filter Corsi Rosenthal (Box)



You can click on [this link](#) to watch a step by step video of how to assemble a Four Filter Corsi Rosenthal Box.

Be sure to keep Air flow in mind as you assemble your air purifier. Be mindful of which way the fan is facing, and which way the arrows are pointing on the filters of your DIY air purifier.

Why do we need clean air?

Clean air is only one part of taking precautions to keep us safe from COVID, RSV, Flu, and other respiratory viruses. Corsi Rosenthal DIY air purifiers are great not just to keep us safe from viruses, but also allergies, mold, wildfire smoke, and more!

As we continue to keep ourselves safe through this ongoing pandemic, it's important that we wear high filtration masks, test regularly (when possible), and purify our air.

Where can I find more information?

For more information on cleaning your air, Corsi Rosenthal boxes and more, check out the [Clean Air Crew](#) comprehensive guide.