



## K40 air filter

T Tom L

[VIEW IN BROWSER](#)

updated 29. 1. 2024 | published 29. 1. 2024

### Summary

air purifier for k40 laser

[Hobby & Makers](#) > [Electronics](#)

Tags: [filter](#) [exhaust](#) [k40laser](#) [purifier](#)

I created this air filter purifier for use of the laser in my apartment. is uses 3 square carbon filters and one hepa-filter.

It uses a fan duct (used for bathrooms) with is fitted with electricalfabrictape.

I used the fabric tape because of ease of use.

filter are bought trough amazon (so most of you can order the filters)

filters i used:

Hepa filter: <https://amzn.eu/d/1MK33YO>

carbon filter: <https://amzn.eu/d/5N8A1Uv>

Fan duct: <https://amzn.eu/d/dUryaIW>

as the base sits on the cabinet next to the machine I used Ikea's furniture fabric as feet.

feel free to print and use this file.

please show us you makes as well.

If questions about this item or you need some chance let me know. I'm also willing to share the cad files.

print settings:

printer: Creality S1 Plus

nozzle: 0.4

filament: Eryone PETG (use standard settings from eryone petg)

just change temp settings:

temp: 215

bed: 65

## Model files



**housing.stl**



**corbonfiltersupport.stl**



**hepa-support.stl**



**filtergrid.stl**

## Other files



k40-air-filter.zip

## License



This work is licensed under a  
[Creative Commons \(4.0 International License\)](https://creativecommons.org/licenses/by-nc/4.0/)

**Attribution-NonCommercial**

- 
- ✗ | Sharing without ATTRIBUTION
  - ✓ | Remix Culture allowed
  - ✗ | Commercial Use
  - ✗ | Free Cultural Works
  - ✗ | Meets Open Definition