



Nevermore V6 Micro Aux Fan Duct Adapter [Proof of Concept] for Voron V0



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Summary

A Proof of Concept for an aux fan duct adapter for Nevermore V6 Micro activated carbon filters.

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Tags: [fan](#) [fanduct](#) [partcooling](#) [voron](#) [aux](#) [auxiliary](#) [v0](#)
[nevermore](#)

A fanduct that can be used instead of a carbon filter cartridge on a Nevermore V6 Micro. Attaches using magnets, keeps clearance for Rainbow on a Matchstick. As the model is currently prone to warping on the floor, there's clearance for gluing TPU filament (1.75mm ø) in the hopes that that will create a good seal.

Fits on a V0 print bed and prints up-right. CFD as per [TeachingTech's](#) tutorial assuming 10CFM for two GDSTime 5015 fans.

If you're printing this, I'd appreciate a comment that addresses the following:

- Did you have warping issues? If not, what's your magic trick + filament?
- What fan models do you have?
- Which toolhead do you use?
- Does the airflow hit the bed properly? (Bonus if you have the V0 Aux Fan for comparison)

BOM

- 4x 6mmø x 3mm magnets

Print Settings

- Material: Prefer ABS/ASA, use PETG only if necessary
- To avoid warping/lift-off from the bed:
 - 2-3 Walls
 - 10-15% Gyroid infill at most
 - Uncheck "Detect narrow internal solid infill"
 - Infill & Bridge Directions so that the lines aren't parallel with the long side, but perpendicular

Versions

- V21 - Groove for a printed TPU seal, same CFD as V18
- V18 - No groove for TPU as that's prone to cracking, but an excellent CFD
- V14 - Still warps, airflow seems to be uncompromised. groove for TPU filament works well.
- V13 - Untested, longer wide bottom segment to hopefully avoid warping. Might compromise airflow
- V12 - Warps but works

Shout-Outs

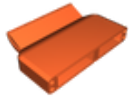
To Pepper and GreenPlasticWateringCan for printing all the broken prototypes and to SquidMan for telling me to scrub my build plate and to ditch the glue!

This remix is based on



GitHub - JackJack3231/V0-Auxiliary-Fan: Auxiliary Cooling Fan for the Voron V0 Printers

Model files



nevermore-micro-v6-aux-fan-adapter-v21-adapter.stl



nevermore-micro-v6-aux-fan-adapter-v21-seal.stl

nevermore-micro-v6-aux-fan-adapter-v21.step

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