

# ULTIMATE APM 1.0 Air Purification Module 3 in 1 Combo/Air Scrubber/Fume Extractor



SDesigns

[VIEW IN BROWSER](#)

updated 9. 12. 2023 | published 9. 12. 2023

## Summary

High flow Air Scrubber/Air Purifier/Soldering Fume Absorber

[3D Printers](#) > [Accessories](#)

Tags: [soldering](#) [clean](#) [hepa](#) [extractor](#) [cleaner](#)  
[fumeextractor](#) [airfilter](#) [solderfumeextractor](#) [scrubber](#)  
[carbonfilter](#) [hepafilter](#) [airpurifier](#) [aircleaner](#) [airscrubber](#)

This air scrubber can handle it all. High flow dual stage carbon filter and two stage merv13-16 filtration. Air passes through 4 total stages of filtration for cleaner air!!

The front of the unit uses 1 carbon filter with merv16 backing and the inner round filter tube uses merv13 wrapped with carbon filter material fixed with hook and loop straps. This is how I have it now with the filters in that order.

Heat set inserts are used on the inner top portion of the body(M4), the 12v fan unit and the bottom of the inner filter tube. I want to say I used M3 inserts in the fan unit and the bottom of the filter tube.

Enjoy the clean air!!!Cheers!!

merv13 air filter material: [https://www.amazon.com/gp/product/B08K2NT5BF/ref=ppx\\_yo\\_dt\\_b\\_search\\_asin\\_title?ie=UTF8&psc=1](https://www.amazon.com/gp/product/B08K2NT5BF/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&psc=1)

merv16 air filter material: [https://www.amazon.com/gp/product/B089MDPCV8/ref=ppx\\_yo\\_dt\\_b\\_search\\_asin\\_title?ie=UTF8&psc=1](https://www.amazon.com/gp/product/B089MDPCV8/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&psc=1)

Carbon filter material: [https://www.amazon.com/gp/product/B07PYDT9KR/ref=ppx\\_yo\\_dt\\_b\\_search\\_asin\\_title?ie=UTF8&th=1](https://www.amazon.com/gp/product/B07PYDT9KR/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&th=1)

120v to 12v adjustable 120mm fan unit: [https://www.amazon.com/gp/product/B0BKG1F7H1/ref=ppx\\_yo\\_dt\\_b\\_search\\_asin\\_title?ie=UTF8&th=1](https://www.amazon.com/gp/product/B0BKG1F7H1/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&th=1)

Velcro/hook and loop straps: [https://www.amazon.com/gp/product/B07SMD8QVH/ref=ppx\\_yo\\_dt\\_b\\_search\\_asin\\_title?ie=UTF8&th=1](https://www.amazon.com/gp/product/B07SMD8QVH/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&th=1)

## Model files

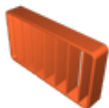


**newmainbody.stl**



**feet.stl**

☐ Print x 4



**exhaustinsert.stl**

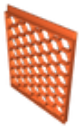


**prefilterbackbracket.stl**



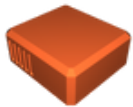
**newbottom.stl**

---



**mainbodfront.stl**

---



**top.stl**

---



**centraltube.stl**

☐ Without inner supports

---



**centralfiltertubepsupports.stl**

☐ With inner supports

## License

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



**Attribution—Noncommercial—Share Alike**

---

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