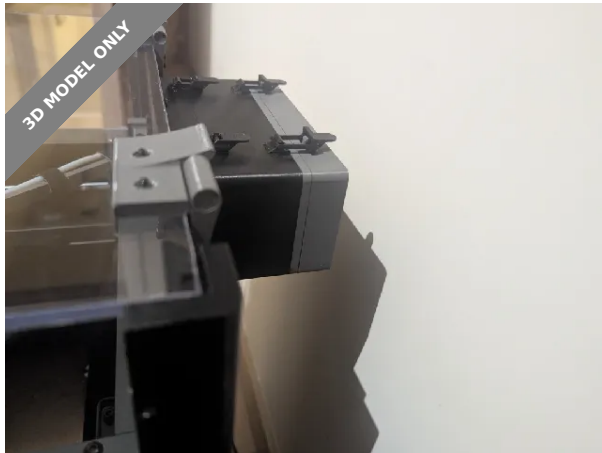




Infimech TX Exhaust Filter



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Summary

Exhaust Filter with HEPA and activated carbon for Infimech TX.

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Tags: [filter](#) [carbon](#) [hepa](#) [exhaust](#) [flyingbear](#) [infimech](#)
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I created a carbon and HEPA filter for the TX. I used 2x5015 fans to help evacuate the air from the enclosure in the room.

The system features a modular approach with quick-release latches.

For the HEPA I settled on [this ones](#) and used 2 to get a bigger surface of 150x60mm.

The carbon bed is similar in size and gave it a 20mm depth, it holds about 120-150 grams of carbon so it should last a while.

The only hardware needed are 2 x M4x12 and nuts if it's used with my [Top Hat](#), or M4x9 if used on the stock exhaust panel.

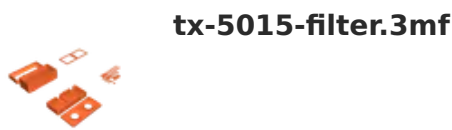
The 3mf is attached if someone wants to build it. I don't really know 3mfs work, I hope the settings are transfered properly.

The carbon housing has 2 additional objects inside it, one on it's face that needs not tops or bottoms and 18% zig-zag infill, and another inside that need no tops or bottoms and 8% hexagon infill.

Also there is a carbon catch thingie that requires you to embed a mesh of sorts inside the print. I used some window insect netting and it works great. This parts goes over the carbon and should stop it from falling out.

I printed everything from PETG for a bit higher temp resistance.

Model files



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