

C17-EXT-CARTRIDGE

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HEPA 13 - Carbon filter by OboMaker3D



1.0 ASSEMBLY MANUAL

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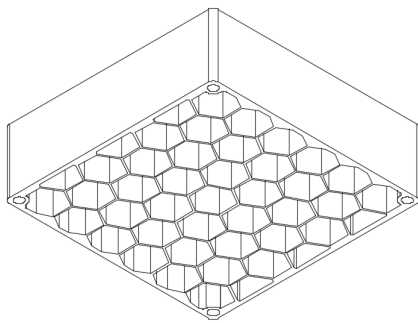
During the processing of plastics and polymerization, the rise in temperature can lead to the release of dust, nanoparticles, gases and potentially dangerous volatile products. 3D printing uses different plastics and resins with possible release of monomers from polymeric thermoplastic filaments or residual feedstocks, but also uses solvents and paints in the finishing of the parts. Thermal decomposition products (fumes and/or vapors) may be emitted during printing operations.

This assembly allows the use of professional cartridges that allow the filtering of odors and causes of irritation. Nevertheless you are responsible for the materials you use and the conditions in which you use them to make 3D prints.

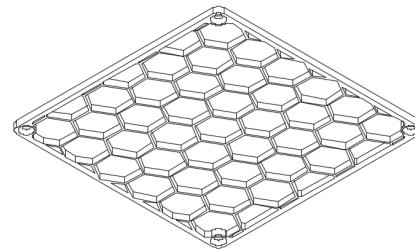
Please, read the entire manual before you start assembly.

STL

Use the standard Voron recommendations to print your parts.



1 Filter



2 Filter grid

LOGISTICS

STL

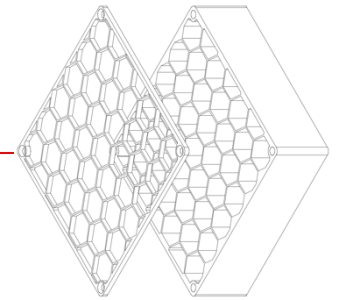
FOAM



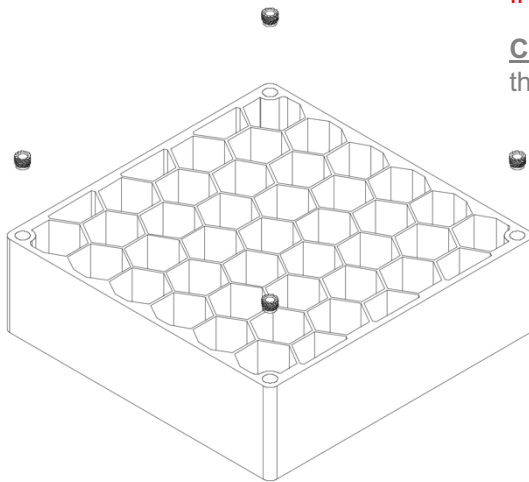
1, 2
Single Sided Foam Tape 2mm – 15mm wide
Wiring Harness Tape 18mm wide
Tulle 12.5mm×12.5mm
Acid-free Activated Carbon
HEPA 13 Filter, maximum thickness 14mm (Best from vacuum cleaner)
M3 Threated insert (×4)
M3×8 FHCS (×4)

ASSEMBLY

STEP 1



M3

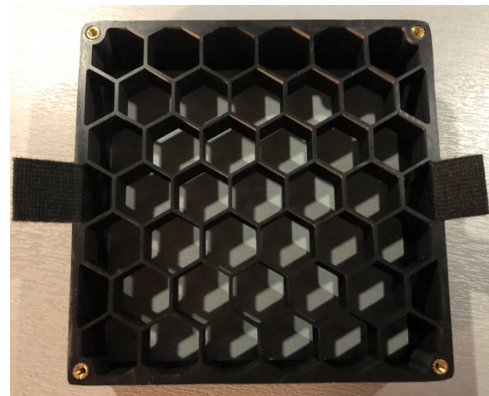


INSTALL HEAT SET INSERTS

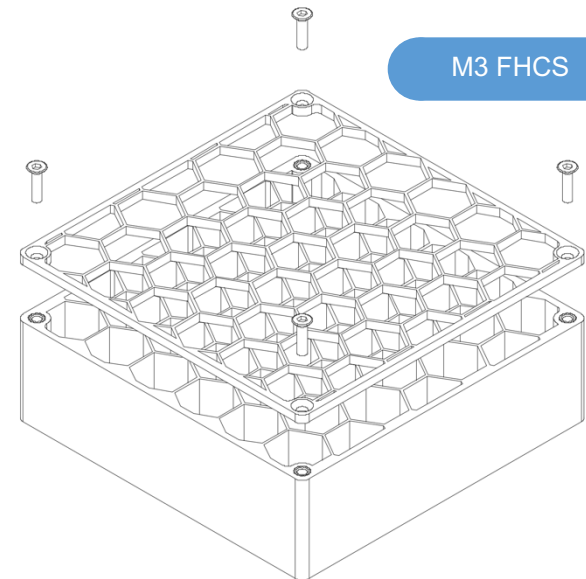
Caution: the inserts must be on the side of the outgoing air flow.

INSTALL TAPE

These two tabs allow you to remove the filter cartridge from its location.



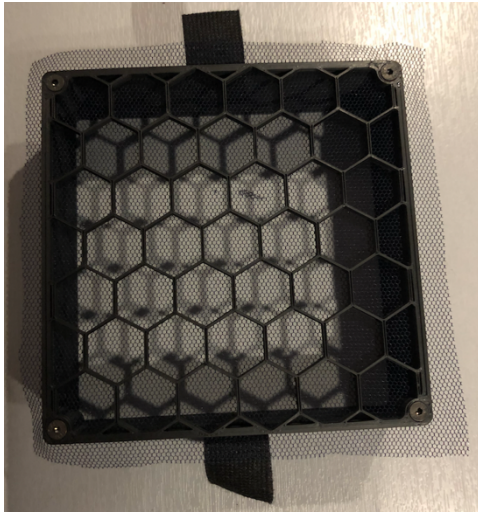
M3 FHCS



INSTALL TULLE

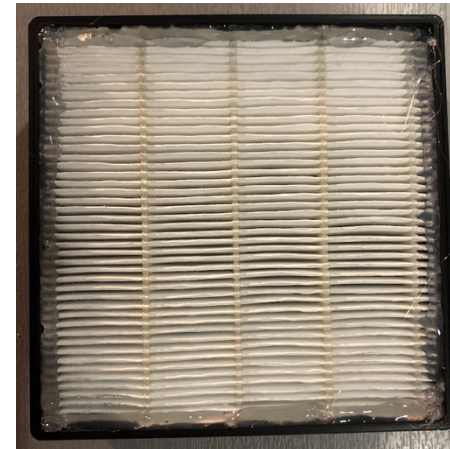
Caution: Don't forget the tulle between the grid and the filter body.

STEP 2



PUT THE CARBON

The amount of carbon must slightly exceed the limit of the hexagons.



STICK THE HEPA 13

Use hot glue to seal the HEPA 13 filter.

FOAM TAPE

INSTALL FOAM

This foam blocks the passage of air between the edge of the cartridge and its case.

