



Anycubic Photon Air Vent System



Creative-Process

VIEW IN BROWSER

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Summary

With this Vent system you can direct the fumes outside or through a sufficient air filter

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Tags: [vent](#) [anycubic](#) [exhaust](#) [thingiverse](#) [airfilter](#) [photon](#)
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Order of Assembly from Left to Right:

Remove old filterbox (description below) **Fanduct** - redirects the air from the chambre to the back (otherwise the cooling fan blows the air out under the machine), insert the nuts, maybe ad some caulking. **Cover** - replaces the factory on, includes the clip-on mount (You can use the B-Cover instead, but assembly will be more difficult) fix the Cover to the fanduct.

When using the "2_Cover" following parts can be assembled separat.

(otherwise in order) **Funnel** - extends the the channel to accept a 120 mm PC-Fan, can be slid in from the top. (For the B-Funnel, reach through the opening and tighten screws) Gasket 'optional' - from elastic material, you can use caulking instead **Fan** - use short screws to attach it to the Funnel, I

used a usb powered one

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Gasket 'optional' - same as before **Vent** - For attaching a 100 mm / 5 inch exhaust hose, use short screws to attach it to the Fan (maybe a hose clamp)

(For the B-Version you need long screws to sandwich everything together)

*Update:

The Fanduct is now at its final version.

I added alternativ versions of "Cover" and "Vent", which can be screwed together. The Vent is installed first than use ~30mm long m3 screws with nuts to install the rest.*

Hi, I really like the Anycubic Photon, but I use the officially most stinky resin, so I had to come up with something to get rid of the fumes. The stock filter isn't efficient enough, and the LED cooling Fan distributes the fumes in the room.

With this Vent system you can direct the fumes outside or through a sufficient air filter.

All parts are designed to be print without any support.

A 120 mm PC Fan can be installed to help with the evacuation.

Use a 100 mm or 5 inch exhaust hose (Abluftschlauch)

For Installing the Fanduct, you have to remove the Filter-Cover (sheet-metal).

(Unscrew the Fan in the Chamber. can't remember if necessary).

Open the Back plate and remove the screws for changing the carbon filter, it will reveal two more screws.(youtu.be/6JowsfjEdHs - can help)

Remove the Printer Cover and replace the old filter with the Fanduct. (youtu.be/Hvggm00agiQ - just first minute)

You may have to use longer screws; guide the Fan cables through the slit; you may want to use caulk or grease to seal it air tight.

The next steps are easy, use the assembly-schematic.

You can use caulking instead of the gaskets (or nothing).

The Exhaust-Assembly can be simply slid on and of.

Have Fun

Print Settings

Supports:

No

Category: 3D Printer Accessories

Model files

2_cover.stl



0_assambly.stp

2_b_cover.stl

4_gasket.stl

3_b_funnel.stl

5_vent.stl

1_fanduct.stl

3_funnel.stl

[Find source .stl files on Thingiverse.com](#)

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