



Filament dryer



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Summary

Box with fan attachment for drying your filament

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Filament dryer box to put on top of heatbed and use the bed to keep at temperature a fan fitting for the top or side to keep the airflow moving and drying process.

I have fitted a 12v fan and am using the plug for my light strip when drying but you could run any 12v plug cable up for the fan or use 24v fan and run of the printer power.

There are blanking plugs to fit different sized fans or cap off unused vents.

There are temperature settings for the different filament types engraved on lid to help out when setting bed temp. But would be worth checking the temperature during your first dry inside the box with a thermometer and adjust the bed depending on your conditions. To keep it around the temperatures engraved.

Blanking plugs can be used to remix or make thermometer slots.

designed at 220mm x 220mm x 80mm,

Print settings : No supports needed. I printed with 3 walls, 0.2 layer height, 15% infill(although it doesn't do any infilling at 3 walls).

thermometer-- i have uploaded a pushfit thermometer housing for the top or side what ever you prefer, the measurements are 26mm x 45mm 15.2mm deep. here is a link to buy it on ebay. [https://www.ebay.co.uk/itm/275240185764?](https://www.ebay.co.uk/itm/275240185764?mkcid=16&mkevt=1&mkrid=711-127632-2357-0&ssspo=n1qfyb9LSqG&sssrc=204767)

[mkcid=16&mkevt=1&mkrid=711-127632-2357-0&ssspo=n1qfyb9LSqG&sssrc=204767](https://www.ebay.co.uk/itm/275240185764?mkcid=16&mkevt=1&mkrid=711-127632-2357-0&ssspo=n1qfyb9LSqG&sssrc=204767)

Model files



filamentdrier.stl



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fanblankfilamentdrier.stl



40mmfanadapter.stl



filamentdrierthermometer.stl

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