

Desiccant Holder Large



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Summary

This is a desiccant holder I designed for the Filabilly filament rack to sit in the same slots as the spools.

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Tags: [filamentstorage](#) [desiccant](#) [desiccantholder](#)
[desiccantcontainer](#) [desiccantcanister](#) [filabilly](#)

Hardware Needed

- 12x M3x5mm Bolts
- 12x M3 Heatset inserts

Slicer Setup

This model uses slicer modifiers to print so setup in your slicer is critical.

Import one of the main body parts (20mm or 40mm height) and then right click and add a modifier and select the Top/Bottom modifier stl. Right click again and add another modifier selecting the appropriate side modifier. Change the settings for the bottom modifier to no top or bottom layers and 70% grid infill. Change the settings for the side modifier to no walls and 70% gyroid infill. Slice the model and the preview should show a part with bare infill which will allow air diffusion as in the image.

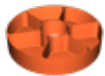
Import the lid and then right click and add a modifier and select the Top/ Bottom modifier stl. Change the settings for the bottom modifier to no top or bottom layers and 70% grid infill. Slice the model and the preview should show a part with bare infill which will allow air diffusion as in the image.

If the modifiers load in a weird position just make sure they are at 0,0,0 XYZ relative position to the model.

Print Settings

- PETG or ABS (so the entire part can be put in a dehydrator for regeneration, translucent if using color changing silica gel)
- 3 Walls, 20% infill, 1mm top and bottom layers, any layer thickness you want
- Bottom/Top Modifier (No top or bottom layers, 60% grid infill)
- Side Modifier (0 walls, 75% gyroid infill)

Model files



dessicantspool_mainbody_40mm.stl



dessicantspool_mainbody_20mm.stl



dessicantspool_lid.stl



dessicantspool_modifier_sides_40mm.stl



dessicantspool_modifier_sides_20mm.stl



dessicantspool_modiřer_bottom.stl

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