Silica Gel Ventilated Cylinder

RU Kidding

VIEW IN BROWSER

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Summary

My design for a cylinder to hold silica gel. I use them inside the containers & bags I keep filament in.

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Tags: cap on cylinder screw silica gel canister slotted perforated ventilated kidding ru

I have 15 PrintDry vacuum containers, plus a bunch of vacuum bags. I wanted a cylinder I could use for both. I decided it would be best to put the cylinder inside the spool hub.
However, in the PrintDry containers, it meant the rubber seal would get sucked against the cylinder cap, so I designed the cap with slots on top, to prevent a vacuum seal.
I printed mine with PETg at 0.14 layer height, but I assume they could be printed in pretty much any filament.
I have found that they help a lot to keep my filament dry. I pack a cheap hygrometer with the filament as well, and they indicate the silica gel works.

Finally, I have included a funnel that threads onto the cylinder, to make filling a lot easier.

Model files

canister-40dx736h.stl

cap-40mm_slotted.stl

funnel.stl

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