



# Shop-Vac Filter Cap

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## Summary

We lost the cap to the filter inside of our shop vac, so I made a new one!

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In our studio, we have a shop-vac that didn't have a cap on it's filter anymore. I designed this to press into our filter so that we don't risk damaging the motor and are no longer spewing debris out the back. I made [this part](#) on OnShape; if you find yourself needing to change any dimensions, the relevant dimensions are kept as variables to be easy to change.

My original has a 150mm ID filter, 20mm filter thickness, and a 2.5mm offset for a snug fit.

I printed one version with zero offset, and I had to add a lip of tape around the inside for a snug fit. I added the offset so that you could change how much interference with the filter you wanted to squish your cap into place.

# Model files



**filter-cap.3mf**



**filter-cap.stl**



**filter-cap.step**

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