



Vacuum Pump Suction Cup Adapter (parametric)



mosselini1

[VIEW IN BROWSER](#)

updated 18. 12. 2023 | published 18. 12. 2023

Summary

A recreation of the suction cup that came with my vacuum pump to allow any pump to use it. Adjustable in fusion360.

[Hobby & Makers](#) > [Organizers](#)

Tags: [parametric](#) [fusion360](#) [valve](#) [adapter](#) [vacuum](#)
[pump](#) [screwable](#) [suctioncup](#) [airvalve](#) [vacuumpump](#)
[vacuumbag](#)

When I bought my vacuum pump to start preserving my filaments in better conditions I felt forced to select this tiny pump due to its attachment which ensured me that I could use standard vacuum bags (those with a valve mechanism). As other pumps didn't mention it I wasn't certain that they wouldn't only support screw-on vacuum bags so I didn't took the risk. To avoid others this problem, I recreated this adapter, now you can simply print it would your pump not come with it.

Print this in a flexible material like TPU as you want to press down the cup to seal the surface.

If you want to preserve your filaments as well, note that vacuum bags of 30 x 34 cm can hold 1kg filament spools and with this adapter you can choose between screw-on or valve mechanism worry free. In the end this tiny pump serves me well, I would recommend it but you have the additional option now to choose a more powerful one to speed up the process.

Model files



vacuum_pump_suction_cup.stl



vacuum_pump_suction_cup.step



vacuum_pump_suction_cup.f3d

License

This work is licensed under a [Creative Commons \(4.0 International License\)](https://creativecommons.org/licenses/by/4.0/)



Attribution

- ✘ | Sharing without ATTRIBUTION
- ✔ | Remix Culture allowed
- ✔ | Commercial Use
- ✔ | Free Cultural Works
- ✔ | Meets Open Definition