



4" Pipe Cyclone Dust Collector



VIEW IN BROWSER

updated 17. 5. 2023 | published 17. 5. 2023

Summary

this is a Cyclone for 4" dust collection system

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

Tags: [cyclonevacuum](#) [dust](#) [sawdust](#) [vacuum](#)

There is a new, larger version now- I'm keeping this old version up thou as it's smaller, and a tad easier to print-

<https://www.printables.com/model/470277-version-3-4100mm-cyclone-dust-separator>

Update March 29 2022

****V2.5 parts uploaded- Cap and Intake broken up for ease of Printing**

**** multiple Intake tubes sized to accommodate different flex pipe tubes**

Any constructive info can be posted on Twitter (tag 3Dprintingllama) or e-mailed to me at - 3Dprintingllama AT Gmail DOT com

4" (100mm?) Cyclone dust collector.

Will need a larger printer or can split parts up more if you need.

My standard 2" cyclone is woking well for my CNC but I got given a true "dust collector" head for the other wood working tools, it uses a 4" pipe. It works well but some of the tools output larger shaving that the input on the vac has a grid that they get caught on and clog the thing rather quickly. So since the other works so well I figured I'd give a larger one a try!

Unit is split into 5 parts. The 3 "base" units build the main body/funnel, the "intake" sits on top of those then the "cap" drops on top :)

**** April 1st 2022 update, adding some adaptors ****

"Flex To Separator, 107mm and 108.5" adaptors should make attaching flex pipe to the separator easier and give a much cleaner air flow!

"Sch40To100ID" is an adaptor for Schedule 40 pipe to flex or other pipe with an 100mm ID

****If you like my designs, please feel free to use the "Donate" button now here on Printables, even a dollar is greatly appreciated!****

Test/install video-

Model files



v2-base3.3mf



v2-base2.3mf



v2-base.3mf



v2-cap1piece.3mf



v2-intake1piece.3mf



v25-intaketube-108mm.3mf



v25-exhaust-tube.3mf



v25-cap.3mf



v25-intakeback.3mf



v25-intaketube-1065mm.3mf



v25-intaketube-110mm.3mf



v25-intakebody.3mf



flexseparator.3mf



107-adaptor.3mf



1085-adaptor.3mf

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