

3D MODEL ONLY



BETTER VENTILATED FUNNEL - PARAMETRIC



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[VIEW IN BROWSER](#)

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Summary

This funnel can be changed simply by changing the opening widths and the wall thickness - customise it to suit any task.

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Tags: [parametric](#) [custom](#) [funnel](#) [vent](#) [sized](#) [vented](#)
[sizes](#) [ventilated](#)

This is probably final evolution of my parametric funnels - with an exposed vent this funnel will be a breeze to keep clean, and although it may not suit all situations, if you need a parametric funnel with a bent spout or a funnel with a separate vent tube or just a funnel, you should take a peek [HERE](#).

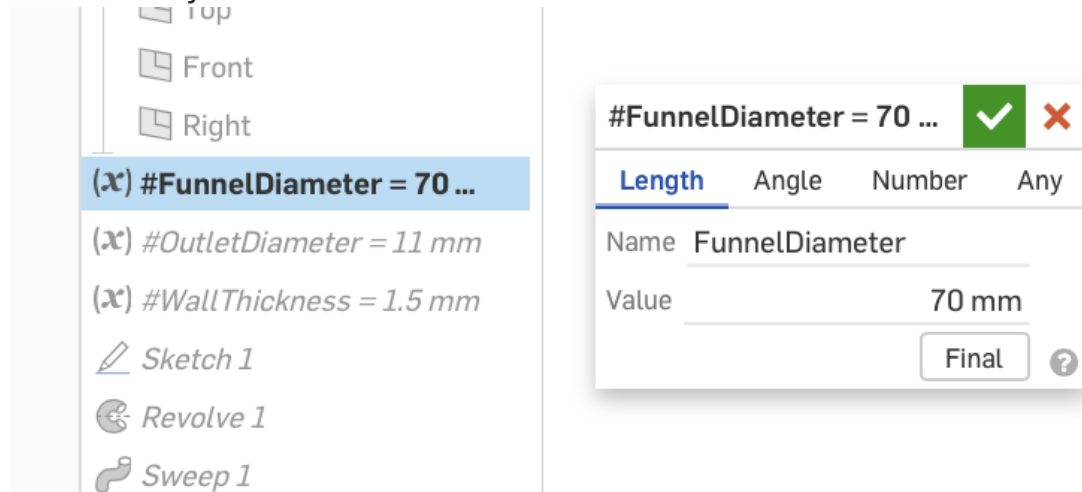
The stl file provided is for a small funnel with a 70mm diameter opening and an 11mm outlet diameter with a 1.5 millimetre wall thickness. (See the BLUE file screenshot above) however you are free to change any of these dimensions to suit your own requirements.

All design dimensions are linked to those three criteria so you can arrange an infinite number of combinations while still keeping the basic form of the funnel.

To modify these parameters you will have to open the document in Onshape. If you don't already have one, you will need a free Onshape account.

Download the PARAMETRIC SOURCE FILE in a separate PDF document available on the downloads page for more information.

Modifications are simple. The dimension are at the top of the left hand column and I have provided a few examples above with a red dashed box around the parametric dimensions that need to be modified. Double-click on the parameter you wish to change and then alter the "Value" to the dimension you wish to use.



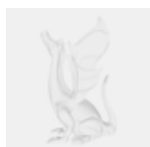
VASE MODE - revised 18 December 2023

I have not tried it yet, but printing this in vase mode might be an interesting experiment if you are looking for a disposable funnel for mixing glues or some other nasty substance.

If you use the VASEMODE STL, there is a 4mm lip on the inside of the funnel to allow you to hold it and to make printing easier. I suggest using a minimum wall thickness of 6mm to provide a reasonable durability, but 4mm will do.

I will provide the parametric source links in a few days - the funnel works fully as a parametric design. If you require it before then, please send me a message and I'll get back to you.

This remix is based on



Onshape

Model files



better-vented-parametric-funnel.stl



vase-mode-please-read-notes.stl

☐ This is a solid model suitable for printing in VASE MODE

Other files



parametric-source-file.pdf

[Find source .stl files on Thingiverse.com](#)

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