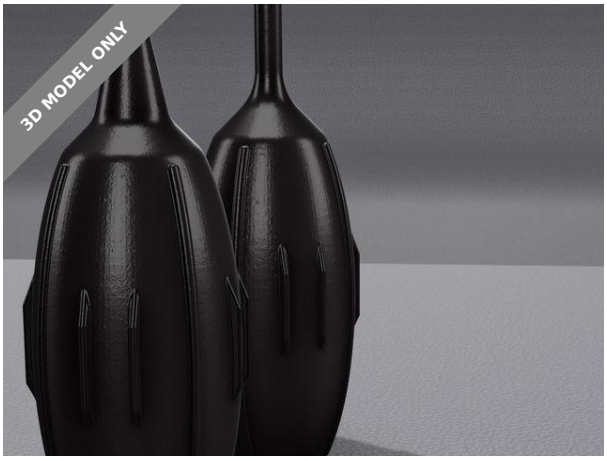

Air Blower/Bellows Dust-Off

MattoDesign

VIEW IN BROWSER

updated 26. 2. 2023 | published 26. 2. 2023

Summary

Air Blower for TPU/flexible print to dust off your camera lens or other equipment.

Hobby & Makers > Tools

Tags: camera tool flexible flexi tpu cleaning handtool blower competition duster flexiblefilament tpufilament bellows cleaningtools airblower keyboardduster lenscleaner

Made a tool for dusting off camera lenses and other equipment.

There is a short and long version. Both are available with or without hole at the bottom, depending on your preferences.
Without the hole at the bottom you need to take care of sucking in the blown away dust if you are operating in a pumping manner. But you have a stronger air flow and easy grip position for hard to reach areas.
With the hole at the bottom you could simply close the hole with your thumb to have the same effect. Also it is easier to clean and dry.

Edit3: You may check out the new Valve from WorstCase for it here!

There are some ribs for stabilisation, prevent easy roll of a surface and for better grip.

I took care of good printability during the design phase and did many iterations. Print at least with two walls/perimeters at 0.2mm layer hight and relatively slow, especially the long nozzle version at the end. Otherwise slice to your needs of flexibility.
I would be happy if you are sharing your results!

Happy printing!

Edit:

Info about V2

Due to Summons response, check out his make and nice looking two colour print, I have reworked the design of the long version. The now available high flow version, marked as V2, has a bigger inner diameter in the outlet and I did some fine adjustments.

Edit 2: Here you find a german language YouTube vid, I've found accidentally, from FDMBRO about this model and some settings for flex printing. Non german speakers may have some benefits from the settings shots and the views overall.

I don't recommend the used filament nor the printers or have any other business connection to this brand or the YouTuber! I think it's nice to see the model in action and learn about his experience with it, so I linked it here.

Have fun watching!

Model files

air_blower_short.stl

air_blower_long.stl

air_blower_short_no_bottom_hole.stl

air_blower_long_no_bottom_hole.stl

air_blower_long_v2.stl

air_blower_long_no_bottom_hole_v2.stl

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