



A Self Watering Planter of Singular Purpose (Spiral Vase)

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[VIEW IN BROWSER](#)

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Summary

A single piece/print design of the ever-present self-watering planter.



3.64 hrs



1 pcs



0.20 mm



0.40 mm



PLA



46 g



Prusa
MK3/S/S+

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Tags: [planter](#) [selfwatering](#) [selfwateringplanter](#) [spiralvase](#)
[spiralvasemode](#)

These parts are designed to use a few solid layers on the bottom and then a continuous and unbroken profile all the way up the part. Prusa and Slic3r call this vase mode, while Cura calls it spiralize.

A single piece/print design of the ever-present self-watering planter. Saves all the folderol of multiple prints and also saves a whole bunch of time. Since it's a vase mode part, the wall speed is the only setting that significantly affects the print time. I can't advise printing at over 40mm/s and you'll get better prints at slower speeds.

Printing times (approximate):

140W190H: 7-8 hours

100W140H: 4-5 hours

80W100H: 2-3 hours

The parts will be very sensitive to scaling, due to a double-back on one of the walls. A few percent either way should be okay, but consult your layer preview. If you have a size you would really like to print, just let me know and I can configure a new file.

Print Settings

Rafts:

No

Supports:

No

Resolution:

0.2mm

Infill:

N/A

Nozzle Diameter:

0.4mm

Line Width:

0.6mm (over extrusion for a thicker wall)

Top/Bottom Layer Width:

0.4mm (I've found this necessary in order to achieve a water tight base)

Bottom Layers:

5

Inner/Outer Wall Print Speed:

<40mm/s

Spiralize Outer Contour:

Yup

Model files



hexagonal-onepart-draining-planter-80w120h.stl



hexagonal-onepart-draining-planter-100w100h.stl



hexagonal-onepart-draining-planter-100w140h.stl



hexagonal-onepart-draining-planter-120w120h.stl



hexagonal-onepart-draining-planter-140w190h.stl



hexagonal-onepart-draining-planter-160w140h.stl



hexagonal-onepart-draining-planter-210w200h.stl

☐ Actually slightly undersized to fit the MK3 build plate

Print files



hexagonal-onepart-draining-planter-100w100h_02m.gcode

⊗ PLA ⊕ 0.40 mm ≡ 0.20 mm ⌚ 3.64 hrs ⚖ 46 g 🖨 Prusa MK3/S/S+

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