



Self-watering rectangular planter (with optional labels)



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Summary

Rectangular planter with a water reservoir and a water level indicator that can be printed without any supports.

[Household](#) > [Outdoor & Garden](#)

The siphons are printed separately and then simply pushed into place. I did it this way to avoid using supports.

Water level indicator

The floating water level indicator is a bit tricky. Print the indicator (1 perimeter, no infill), insert it into the port and use a tiny bit of super glue to attach it to the floater.

However, printing the floater super light, yet waterproof is not easy. I had to seal some of the holes with super glue. If you have a piece of leftover **styrofoam** or something similar (leftover packaging material) you can very easily use that to lift the indicator instead - and it will probably produce more lift anyway, so that would be my recommendation.



The water in the reservoir is enough for at least a week for most of my plants, it's surprisingly big.



Labels

You can either print the normal outside shell or one of the version with embossed labels. I've included ones for Basil, Mint and Chilli. But you can easily modify the simple one to have your own text in any 3D editor. Featured in this video:

Print instructions

None of the parts need supports ;)



Commercial license

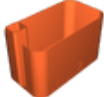
Do you want to sell prints of this model? You can purchase commercial licensing for this model by [joining the Commercial license tier in my club](#).

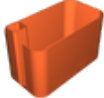
You can also buy the unlimited commercial license here - <https://www.etsy.com/listing/1406255380/self-watering-rectangular-planter-files> . It's a one-time-fee, meaning after you buy it, you can sell as many copies of the planter as you want forever, without having to pay any additional commission or % from the sale.

Model files

 **Outside shell with labels** 3 files

 **outside_shell_basil.stl**

 **outside_shell_mint.stl**

 **outside_shell_chilli.stl**

 **Smaller square version** 2 files

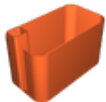


outside_shell_square.stl



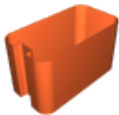
inside_shell_square.stl

☐ You might have to re-scale the syphon a bit to fit it well



outside_shell.stl

☐ This needs to be printed watertight



inside_shell.stl



syphon_scaled_properly.stl



floater_indicator.stl

☐ Needs to be glued to the floater after inserted to the planter



floater.stl

☐ You can replace this with a piece of styrofoam or anything that floats

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