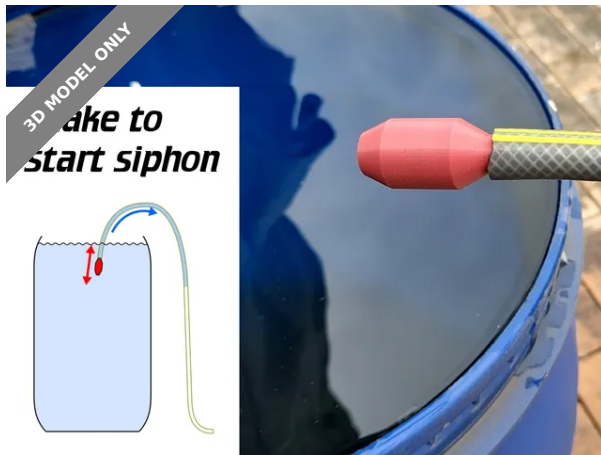




Shaker siphon for garden hose



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Summary

Easily start a siphon: Just shake! Sized for a 12mm (1/2 ") garden hose; also with gardena adapter.

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If you want to empty a barrel etc using a siphon but find it uneasy to start the siphon - this is an easy way to do so. This shaker siphon is a actually just a valve. By shaking it down into the water (or other liquid), that water can easily flow in, but when you pull up again, the water is trapped and comes up, too. By shaking up and down, the valve and the water's inertia pump enough water up to start the siphon effect.

I tried to design it to have low flow resistance and not to be prone to catch debris.

Edit: As requested, I added a version with gardena adapter. And one with what I assume is the standard garden hose thread (GHT, or national hose NH).

Printing: Standard parameters.

If bed adhesion poses a problem, try a brim. Worked fine for me without though.

Model files



shaker_siphon.stl



shaker_siphon_gardena.stl



shaker_siphon_barb.stl



shaker_siphon_garden_hose_thread_new.stl



shaker_siphon_26.stl

☐ custom for 26mm (id) pipe



shaker_siphon-19mm.stl

☐ for 3/4" hose, with barb



shaker_siphon-thread-5_8th.stl

☐ for 5/8" thread



shaker_siphon-19mm-thick-walls.stl

☐ custom request

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