

Rain to glass

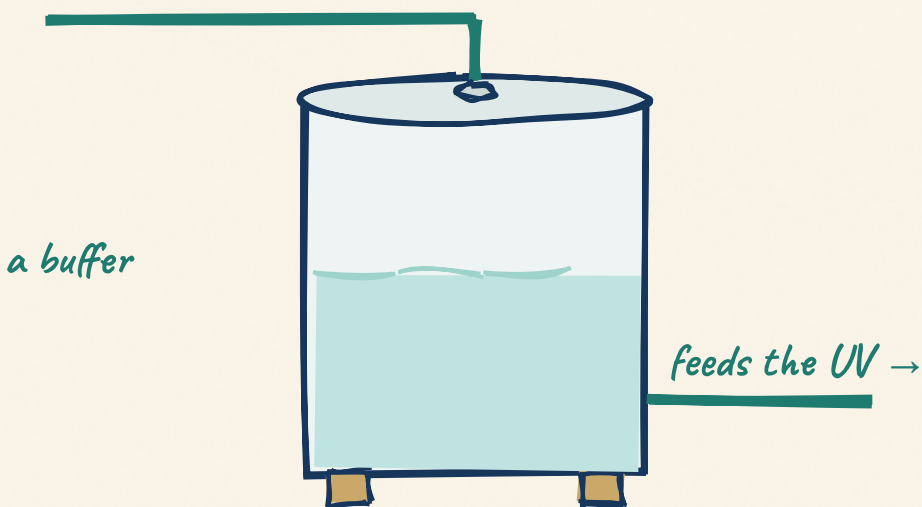
Safe drinking water from the rain on your roof — purified by **living sand and sunlight alone**. No chemicals, no filters to replace, no mains.



1 Your rainwater

roof → water butt → Källa

fills slowly from the filter



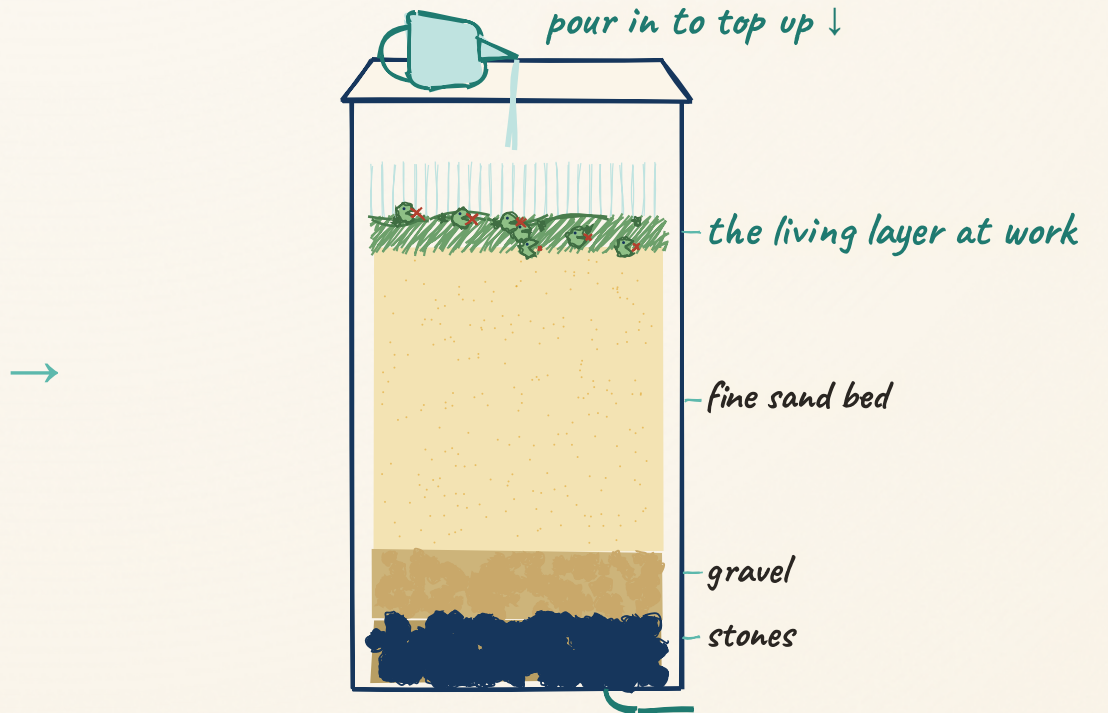
3 Storage tank

a steady, fresh buffer

5 Your glass

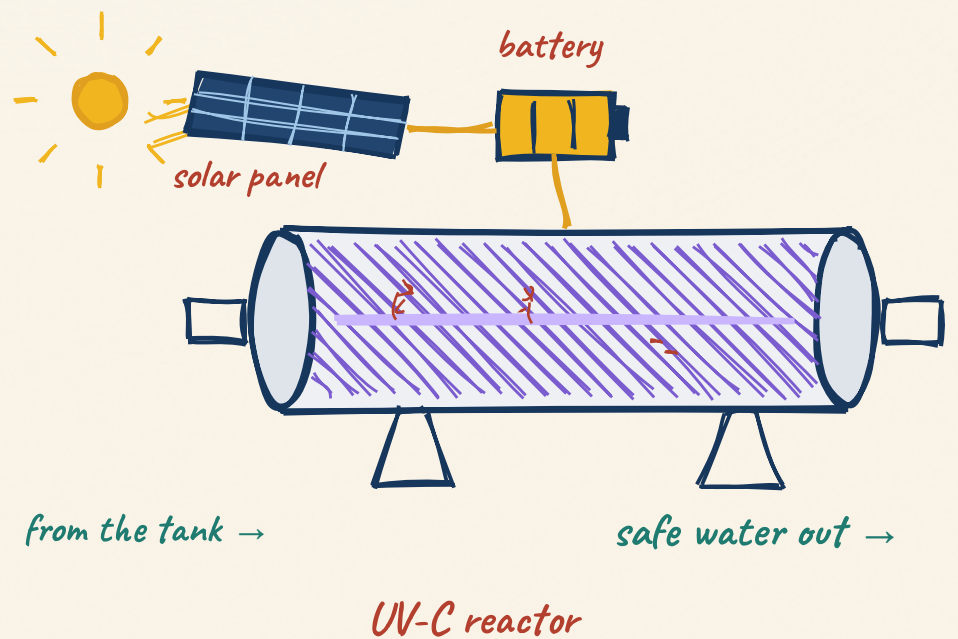
Safe water on tap, drinkable from day one — **60–80 litres a day** per unit, plenty for a household.

Most systems come in **around £1,000** — itemised after your consultation.



2 Biosand filter

a living layer of microbes cleans the water



4 UV reactor

UV-C finishes the job



Day to day

What it needs, what it does, and where it stops

The **living filter** — a community of beneficial microbes that settles on the sand, like the life in healthy soil — does the work and gets better with age, while the UV keeps **every drop safe from day one** — no cartridges, no chemicals, no mains. There's just a light rhythm to it, and a couple of limits worth knowing up front.

The daily rhythm



EACH TOP-UP

Pour in settled rainwater. Keep 4–6 cm standing above the sand, and never let it dry out.



LET IT REST

Let each fill trickle through, then pause before the next — the living layer needs the breather.



IF FLOW DROPS

Swirl & skim the top of the sand, scoop the cloudy water, repeat till clear.

Do

- ✓ **Same source.** Feed it the same water each time.
- ✓ **Let it settle.** Let cloudy water clear before pouring in.
- ✓ **Keep it covered & topped.** Lid on; 4–6 cm above the sand.
- ✓ **Covered storage.** Store finished water covered, with its own tap.

Don't

- ✗ **Don't overfeed it.** Too much water with no rest overwhelms the living layer.
- ✗ **No chemicals.** Chlorine or bleach harms the living layer.
- ✗ **Don't move it full,** and don't open the UV unit.
- ✗ **Water only.** Never run any other liquid through it.

Feed it water you trust

It clears microbes and dirt, not dissolved chemistry — so it **can't remove chemicals** like glyphosate or metals (we're looking into an optional carbon stage for that). It starts at your roof: collect off **inert roofing** (avoid lead flashing, asbestos-cement or freshly-painted roofs), keep gutters clear, and keep **oils and spills** well away — they can ruin the living filter.

❄ Winter & frost — the one UK gotcha

Frost is the one thing to plan for. Keep the filter, tank and UV unit **above freezing** — an insulated outbuilding, or lag the tank and pipes. A **tank, reactor or pipe can crack**; a frozen filter simply rebuilds itself over a few weeks (**boil or test while it does**). Off site in a cold snap? **Drain the reactor and exposed pipes first.**

Staying safe with your water

We test every UV reactor and pump before it ships, and the tech is field-proven. As every site's rainwater differs, we recommend a **simple independent water test** on commissioning. **Supplying more than your own home?** That's a private water supply under UK law — we'll help you meet it.

At a glance



60–80 L

per unit · per day



10+ yrs

filter lifespan



0 chemicals

no mains



Day & Night

solar + battery

How we work — bespoke to your site

1

Consultation

A friendly chat about your site and rainwater — no visit needed — and we design around it.

2

Build & Ship

We build it by hand in the UK and ship only the parts your setup needs.

3

Assembly & Installation

It arrives with clear illustrated instructions. Installation available for a fee.

Most systems come in around £1,000, itemised after your consultation.



Designed & assembled with bare hands in the UK

Corporate sponsorship brings the same system to communities overseas — ask us how.



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