

REVOLUTION

Use up to 80% less water

REVOLUTION is a compact water recycling system designed to reuse the water that is typically wasted in a home.

By replenishing with rain and condensate water, we strive to achieve a net-zero water environment for true off-grid living.



Rapid Sedimentation

The baffled design accelerates pollutant settling, significantly reducing treatment time while maintaining high efficiency.

Pollutant Removal

Patented electrooxidation process offers superior removal of persistent pollutants like PFAS, surfactants, and dissolved organics without chemical additives.

Easy to Use

Adjusts to the user's behaviour to optimize performance during periods of high usage or vacation.

Scalable

The system is modular and scalable to meet the specific needs of different users, from tiny homes to traditional households to large-scale developments.



How It Works

REVOLUTION is a proprietary series of filtration, separation and treatment techniques all controlled by an advanced control system

Filtration

- Screening – physical large particles
- Ultrafiltration – removes bacteria, virus
- Granular Activated Carbon – removes chemicals, taste and odour

Electrocoagulation

- Electrochemical reactions chemically alter particles for rapid sedimentation

Sedimentation

- Flow rate is controlled through proprietary sedimentation tanks
- Promotes rapid separation of soaps and other common compounds

Advanced Treatment

- UV – continuous cycling eliminates bacterial buildup
- Ozonation – sanitizes and removes what?

With REVOLUTION you can rest easy knowing that your water has been treated by the most comprehensive treatment system available for residential use.

REVOLUTION

Solving water everywhere...

REVOLUTION is a flexible system that can be scaled for use in a variety of residential and commercial settings.

Let's treat this valuable resource with the respect it deserves and reduce consumption by up to 80%!



Off-Grid Living

- Integrate in your tiny home from SLC to solve off-grid water challenges.
- No water infrastructure required – fill storage tanks and replenish with rain and condensate to strive for net-zero water!
- Purpose built system operates seamlessly in small environment.



Water-constrained Development

- Homebuilders are being restricted from building badly needed homes because the local water infrastructure can not support them.
- REVOLUTION uses 80% less water so you can build 80% more homes!



Water-scarce Markets

- Communities in North America and around the world are beginning to struggle to supply enough fresh water for industrial, agricultural and residential use.
- We are turning to expensive reverse osmosis plants to make drinking water, and then we flush our toilets with it!
- Revolution allows homeowners to do their part to reduce water consumption by as much as 80%.



Remote Communities

- Mining communities, Indigenous communities, villages for humanitarian aid, for the unhoused struggle with access to clean water yet we throw it down the drain!
- The REVOLUTION returns water for reuse, reducing the wear and tear on critical water infrastructure and eliminates the need for boil water advisories.



Commercial to Residential Conversion

- Mining communities, Indigenous communities, villages for humanitarian aid, for the unhoused struggle with access to clean water.
- Once you have the water, don't throw it down the drain!
- The REVOLUTION returns water for reuse, reducing the wear and tear on critical water infrastructure and eliminates the need for boil water advisories.

Purafy – Water where it's needed most.

www.purafy.com