

The Reclaimer

Liquid processing unit designed to rapidly treat blackwater and greywater to ISO30500 standards.

Combines three treatment modalities into a compact, automated system.

Treats liquid waste from household or community toilets, dewatered sludge, and septic tanks.

KEY FEATURES

- Ultrafiltration removes suspended solids and turbidity.
- Activated carbon removes soluble organic material.
- Electrochemical treatment removes pathogens.
- “Buffered batch” processing allows system to accept liquid during operation (100-200 L/day).
- Automated process control.



STATUS OF DEVELOPMENT

- Field testing in India, January 2019
- Runs on external power, no additional water required for normal operation.
- Energy required: 100-1500 W

DEVELOPED IN PARTNERSHIP WITH



For More Information
Duke University Center for WaSH-AID
Dr. Brian Hawkins (brian.hawkins@duke.edu)
<http://washaid.pratt.duke.edu/>
Durham, NC USA