

GRAYWORKS Graywater Treatment and Reuse

MODULAR BIOLOGICAL TREATMENT AND REUSE

The GRAYWORKS treatment and reuse product line integrates industry leading biological treatment with a modular scalable design.

Biological - All municipal and commercial wastewater reuse systems rely on biological treatment to remove dissolved pollutants but many graywater systems still utilize unreliable chemical treatment processes. GRAYWORKS incorporates a proven biological reactor design that efficiently removes dissolved organic materials and naturally responds to changes in flow and concentration.

Modular - The GRAYWORKS system is the first modular graywater system to incorporate all aspects of graywater treatment into a single unit that includes biological treatment, filtration, disinfection, project-specific polishing, and online instrumentation in a secure enclosure. The modular design significantly reduces installation costs.

Scalable - The GRAYWORKS product line is scalable to provide cost effective reuse across a wide range of sizes and applications. System design can incorporate project specific

GRAYWATER TECHNOLOGY COMPARISON

	GRAYWORKS Biological Treatment	Chemical Treatment
Reliable Effluent Quality	●	○
Simple to Operate and Maintain	●	○
Low Lifecycle Cost	●	○
Low Capital Cost	●	●
Does not Require Ozone Gas	●	○
Living Building Challenge Compliant	●	○

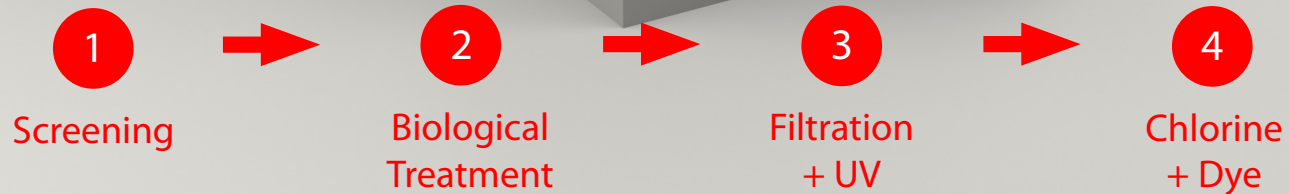
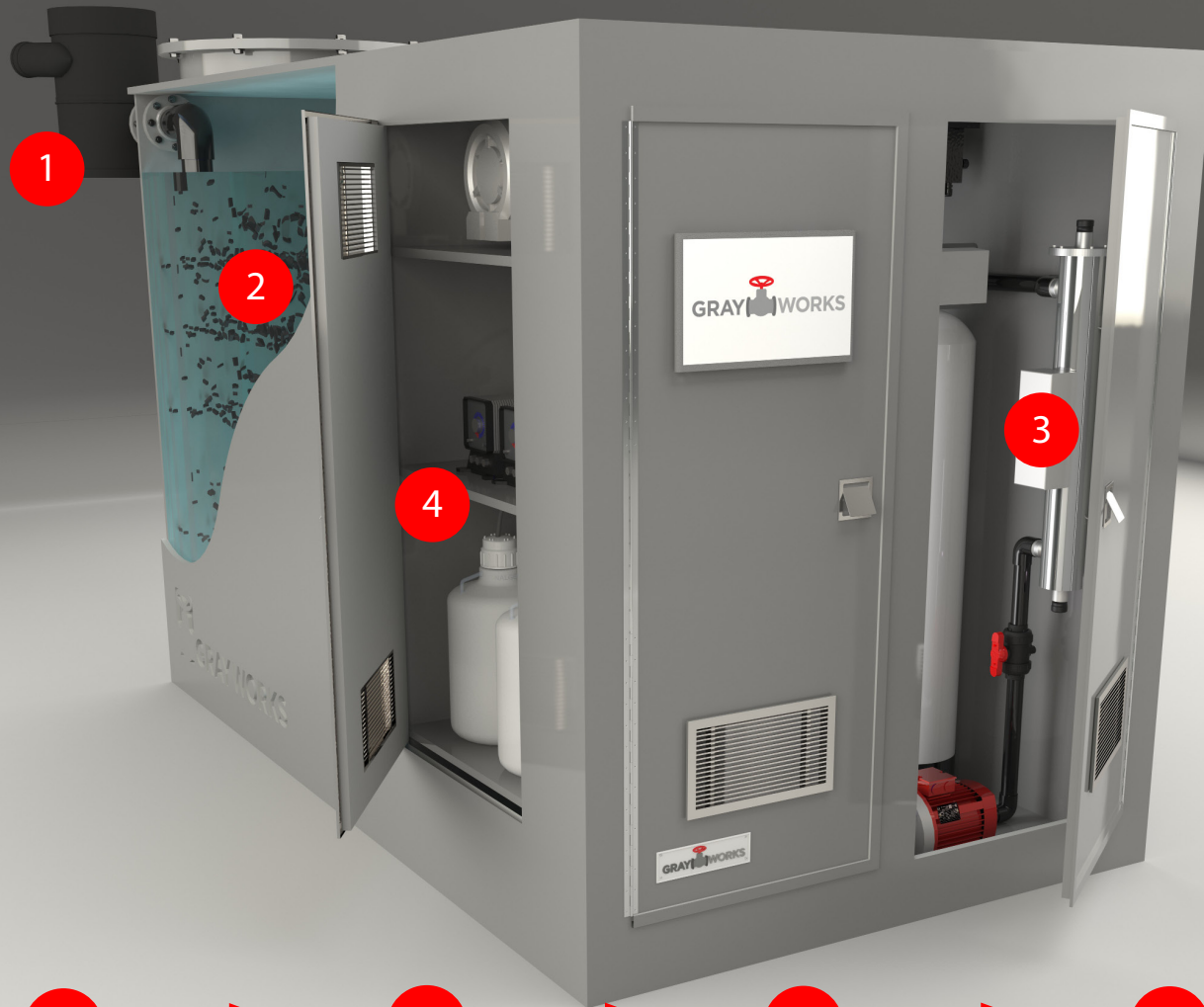
ABOUT US

The GRAYWORKS product line was developed as a joint venture between Critical Flow and Rainwater Management Solutions. Our team has been instrumental in establishing the viability of decentralized wastewater reuse and rainwater harvesting in the US over the last twenty years.

The GRAYWORKS product line is designed for commercial facilities such as mixed use developments, resorts, dorms, corporate campuses and office buildings. For our clients the GRAYWORKS system reduces water use, saves money and doesn't break their budget or stress their facilities staff.

REUSE APPLICATIONS





1
Screening

Lint and hair are removed directly through a self-cleaning screen and flushed to sewer. The screen can be mounted directly to the system or with a remote pump station depending on site requirements.

2
Biological Treatment

Pollutants are biologically degraded by microorganisms living on the patented surface-active treatment media creating a robust treatment that responds to variations in influent flow and quality.

3
Filtration + UV

Filtration removes suspended solids and UV disinfection eliminates any pathogens. The filtration system is self cleaning and backflushes debris to sewer. All equipment is secure within the cabinet.

4
Chlorine + Dye

Optional dye and chlorine systems can be included depending on project requirements. Dosing pumps, chemical storage, and spill containment are provided in the integral chemical cabinet.