

Product Description

The Stormsaver Greywater Recycling System; AQUALOOP can help provide commercial developments with a safe sustainable supply of recycled Greywater for a wide range of non-potable uses, including toilet flushing, irrigation and vehicle washing.

Reclaimed water can be collected from showers, baths and hand basins allowing your development to maximise water savings and contribute towards your sustainability goals.

Stormsaver Greywater Recycling Systems; AQUALOOP are an ideal solution for reducing mains-water consumption in a range of commercial buildings, including high-rise residential apartments, student accommodation developments, hotel complexes, offices, sporting and leisure venues and developments with high occupancy rate.

The Stormsaver Greywater System; AQUALOOP uses an innovative biological treatment process followed by micro filtration to provide a high quality, safe, clean and sustainable supply of water.

Stormsaver Greywater System; AQUALOOP will provide maximum water savings for your building;

- Saving water
- Saving money
- Saving the environment
- Meeting your sustainability goals

The system uses a bioreactor tank alongside a clean water storage tank. The bioreactor contains advanced membrane, oxygen aeration and growth bacteria technology to treat the water and remove 99.99% of bacteria.

The Greywater System; AQUALOOP can be scaled to suit the demand of your building. Offering flexibility to ensure the best results in every building type.

Applications

The Stormsaver Greywater Recycling System; AQUALOOP can be used for a wide range of applications including:

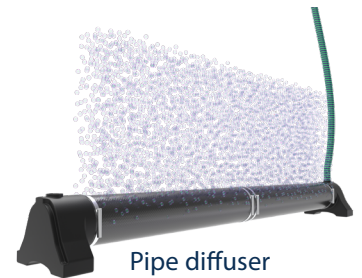
- Toilet and urinal flushing
- Vehicle washing
- Cleaning and wash down
- Laundry
- Plant watering and irrigation
- Industrial process use



Growth bodies



Membrane station



Pipe diffuser

Greywater System Component Breakdown

Pre tank filter:

The system has an integrated Pre tank filter, this has a 1000 micron stainless steel filter to remove large particles. The automatic backwash function operates to clean the filter on a daily basis.

Pipe Diffuser:

The system sends a stream of oxygen to the water throughout the day providing a healthy environment for bacteria to grow within the bioreactor.

Aeration Blowers:

The blowers are used to send a pressurised stream of air to the pipe diffuser and to backwash clean the membrane filters. The system automatically cleans the membranes using backwash technology comprised of pumped water and air.

Membrane Station:

The membrane station contains up to 6 individual membrane filters. Each membrane cartridge filters down to 0.02 micron.

Growth bodies:

The growth bodies provide an environment for healthy bacteria to thrive in the bioreactor tank helping as part of the cleaning process.



Scan to find out more

View our full range at www.stormsaver.com

Advantages

- Reduce construction costs system utilises a small footprint
- Reduced maintenance for system components
- Micro membrane filtration
- Additional BREEAM points (Up to 5 points)
- Capability to store treated water for extended periods
- Easy on-site installation - Package solution (Optional Stormsaver installation)
- NSF 350C Certified water quality tested
- Scalable to suit project size
- Saves money on your water bills
- Reduce water consumption
- Reach your sustainability goals

Certification

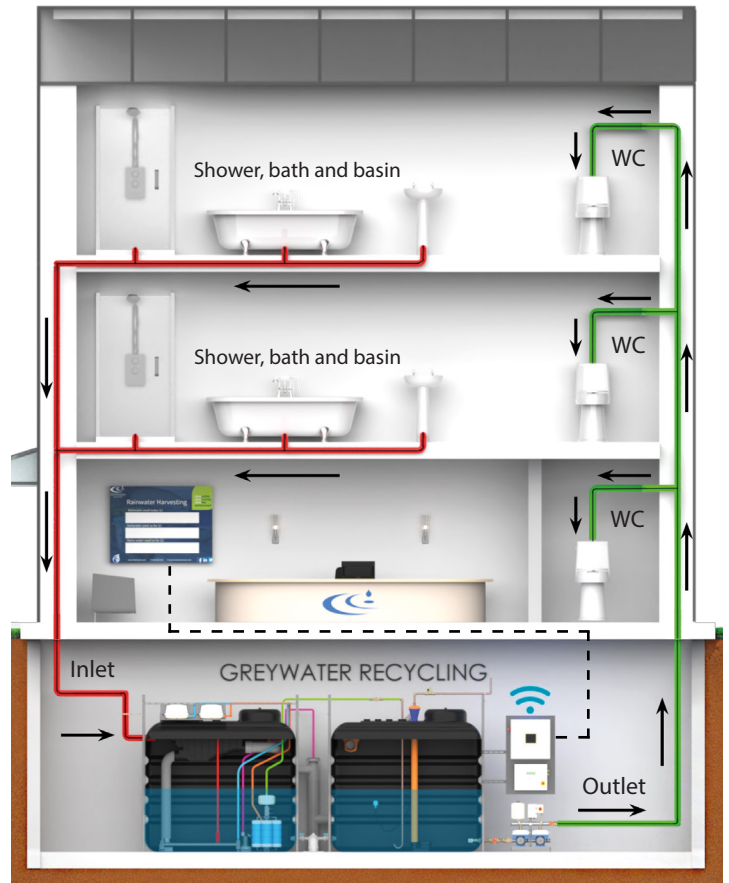


Full NSF 350C certification for Greywater Recycling for Class C applications. The system has undergone extensive testing to ensure it meets NSF criteria. This shows the system has demonstrated satisfactory treatment for biochemical oxygen demand, total suspended solids, turbidity and bacteria.

System Sizes

Size	Treatment (Litres/day)	*I-Connect	Automatic Dosing Cleaning Technology	Filter and back-wash pump
GW600	600L			
GW1800	1,800L			
GW3600	3,600L			
GW5400	5,400L	•	•	
GW10800	10,800L	•	•	
GW16200	16,200L	•	•	
GW21600	21,600L	•	•	
GW32400	32,400L	•	•	•
GW48600	48,600L	•	•	•

Greywater Schematic



(Not to scale)

*I-Connect

The I-Connect control panel allows for smart monitoring of the Stormsaver Greywater recycling system; AQUALOOP. It comes with a web portal and app that allows the system to be monitored and controlled remotely whilst integrating seamlessly with your BacNet system helping you meet your sustainability goals.

Technical Details

Power supplied by I-connect controller	Details
Power - AC	230V or 400V (Model dependant)
Interface protocol	BacNet and Modbus (I-connect panel only)
Control panel IP rating	IP41
Systems inlet (mm)	110, 160, 200, 300 Diameters
Systems overflow (mm)	110, 160, 200, 300 Diameters