

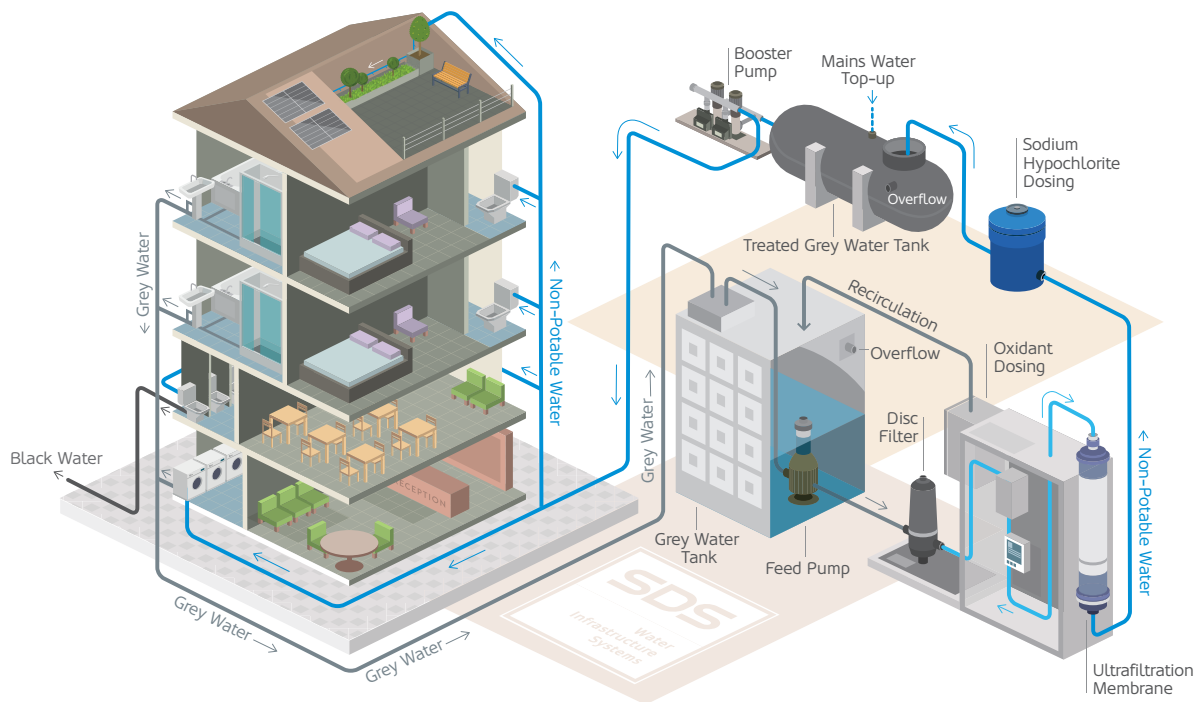
RAINWATER MANAGEMENT

SDS WaterBank® GWR System

Grey Water On Demand System (Large Scale)

SDS WaterBank® GWR (LS) is a fully automated recycling system which is designed to deliver a consistent supply of treated grey water to best meet a larger development's required daily volume.

SDS WaterBank® GWR operates on a fast treatment principle to meet demand quickly and reduce the need for large water storage tanks. It is ideal for large installations but where space is at a premium, and for combined grey water and rainwater recycling systems.



- Max production flow up to 12m³/hour
- Automated function
- Adaptable to varying grey water supply and demand volumes
- Mains water back-up (on treated water tank)
- Includes distribution pumping
- Volt-free BMS output capability
- Smart design including capacity for IoT-ready interface
- Complies with BS8525 requirements

SDS WaterBank® GWR (LS) uses a 2-stage treatment of disc filtration to 100 microns, followed by a hollow fibre ultrafiltration membrane to 0.05 microns.

Both stages incorporate an automatic backwash process to ensure the highest level of water quality, which is further enhanced and maintained by the carefully controlled dosing of low-level chlorine.

Features	Benefits
Reduced storage needs compared to MBR systems.	Ideal for builds with spatial restrictions in the plant room.
Compatible with above- or below- ground tank installations.	Suitable for use in all building types (subject to max distances).
Various tank sizes and shapes available.	Provides maximum flexibility of application.
Recommended for partnering with SDS-supplied water tanks.	A back-up mains water supply in the treated water tank ensures seamless water delivery. SDS supplies and installs the complete system.
Conforms to BS and Water Supplies (Water Fittings) Regulations (when partnered with SDS-supplied tanks).	Provides legislative compliance.
High efficiency disc filtration removes all grey water particulates >100 microns.	Extends Ultrafiltration Membrane life, whilst allowing high treatment rates.
Integral pressure monitoring and self-clean cycle.	Ensures system operation is maintained at maximum efficiency and is uninterrupted between service visits.
Intelligent chlorine dosing of both collection tank and supplied water.	Ensures treated grey water is maintained in a sanitary condition obviating the need for further UV treatment.
Variable speed pump standard.	Specified bespoke to each application.
Water meter and remote production monitoring as standard.	Provides client access 24/7 to accurate information on grey water production, mains water usage and savings.
Variable time control for operation and automatic shut-down.	Perfect for variable demand situations and shut-down periods such as over weekends and holidays. System does not require rebooting or recommissioning following shut-down.
Standardised start-up and shut-down procedure.	Suitable for periods when usage demand is low e.g. Christmas and holidays.
Includes capacity for IoT / real time control via GSM signal.	Link to a SDS SYMBiotic™ web-based client portal provides viewing of operating data and reports.

SYMBiotic™

SPECIFICATIONS	GWR LS2	GWR LS5	GWR LS9
Maximum flow rate (m ³ /hour)	2	5	9
Motor output (kW)	6.5	7.9	13.5
Power	1 x 3 phase 400v, 32A		
Width* (mm)	1500	1700	1700
Height* (mm)	2400	2400	2400
Length* (mm)	2500	3200	4500
Grey water inlet connection	1" (adjustable)	1 1/4" (adjustable)	1 1/2" (adjustable)
Outlet connection	1" (adjustable)	1 1/4" (adjustable)	1 1/2" (adjustable)
Overflow connection	1" (adjustable)		
Remote monitoring	GSM production monitoring via SDS SYMBiotic™ (optional extra)		
Noise	95dbL @ 1 metre (1 min/hour) (option to reduce to 45db)		
Chemical additive	Sodium hypochlorite		

*Excludes clearances, exact dimensions provided on order

GWR LS DS/0125