

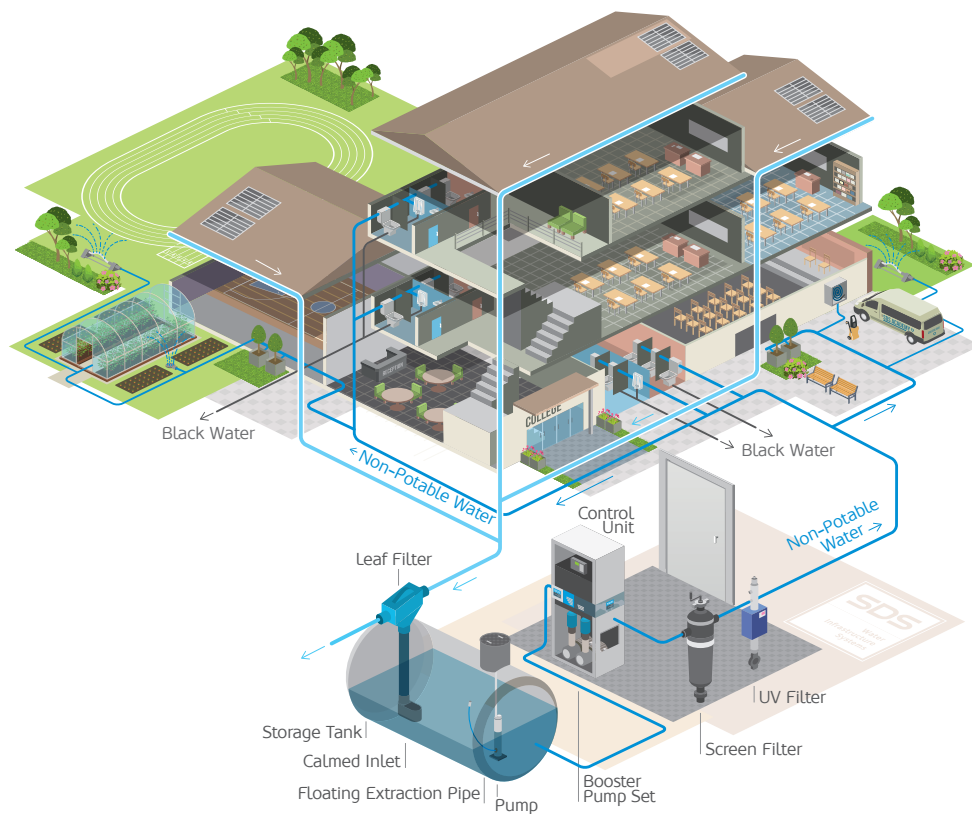
RAINWATER MANAGEMENT

SDS WaterBank® RWR System

Rainwater Recycling System

SDS WaterBank® RWR is a fully automated system which provides an integrated rainwater management and delivery platform to enable the distribution of rainwater to an end user application.

SDS WaterBank® RWR incorporates a fail-safe mains water back-up in order to provide a seamless supply of water through periods of rainfall and drought.



- Supplies up to 25m³/hour
- Variable speed pumping available
- Tank level gauge and display
- Volt-free BMS output capability
- Powder-coated steel frame with polypropylene panelling (Control Unit)
- Meets BS EN 16941-1:2018 requirements

SDS WaterBank® RWR's control system uses integral level control software to prioritise the reuse of rainwater as the primary source. An integral break tank, which features a WRAS approved mains back-up with an AA air gap, ensures a constant water supply is achieved by automatically switching to mains water when rainwater is unavailable.

Features	Benefits
Provides a source of water other than the mains water supply.	Protects the supply of increasingly scarce treated drinking water. Reduces water supply fees and carbon footprint.
Reuses water that might otherwise have contributed to flooding.	Limits the impact of uncontrolled rainwater on the natural environment and the risk of flooding of the engineered drainage infrastructure.
Scalable system can be applied to single or multiple properties.	Suitable for use in commercial, industrial, community residential and domestic installations.
Can be partnered with above- and below- ground rainwater storage and Cat 5 water tanks.	Suitable for a diverse range of applications.
Controller is supplied from a submersible transfer pump located within the rainwater storage tank.	Ensures that the bulk of the stored water is kept in cool conditions, usually underground.
Bespoke booster pump sizes available.	Always supplies the correct volume and pressure of water across the building, whatever the demand.
Low energy pumping.	Reduces running costs and carbon footprint.
Safe-to-fail operation.	System performance is not compromised by power outages.
Optional sub-metering and automated meter reading, including remote volume monitoring, available via SDS SYMBiotIC™ telemetry system.	Provides client with 24/7 access to rainwater harvesting and recycling, as well as mains water consumption, data supplied via web-based client portal.

SYMBiotIC™

SPECIFICATIONS

	WaterBank® RWR	
Maximum flow rate (m³/hour)	25m³	
Power	Single phase 240v, 32 A	1 x 3 phase 400v, 32 A
Width* (mm)	800	800
Height* (mm)	1800	1800
Length* (mm)	700	700
Rainwater inlet connection	1"	1"
Outlet connection	1/2"	1/2"
Overflow connection	1/2"	1/2"
Remote monitoring	GSM production monitoring via SDS SYMBiotIC™ (optional extra)	
Filtration	Screen and UV	

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