

SDS WM1000

Rainwater Harvesting System

SDS WM1000 is a fully automated system which provides an integrated rainwater management and delivery platform to control the collection, treatment and distribution of rainwater to an end user application.

SDS WM1000 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*
- *Soft close valves*
- *Submersible pump*
- *Tank level gauge and display*
- *Volt free BMS connection*
- *Powder-coated steel or HDPE fabrication*
- *Meets BS8515 requirements*



SDS WM1000's control software incorporates a level sensor which ensures rainwater is prioritised as the primary water source.

An integral AA-rated break tank ensures a constant water supply is achieved by intelligently switching to mains water when rainwater is unavailable.

Features	Benefits
Can be partnered with rainwater collection and treated water tanks.	Provides diverse range of applications.
Compatible with above- or below- ground installations.	Provides flexible usage.
Tiered redundancy system allows two mains water backups, operating on separate power supplies.	Ensures supply of water even in the event of system component failure.
Controller is supplied from a submersible pump located within the rainwater harvesting tank.	Ensures that the bulk of the stored water is kept in cool conditions.
Bespoke pump sizes available on request.	Increases or decreases the amount of water supplied.
Optional sub-metering and automated meter reading via telemetry system.	Provides client access to accurate rainwater and mains water usage 24/7.
Remote production volume monitoring available as an optional extra.	Provides 24/7 access to rainwater harvesting data to SDS SYMBiotiC™ web-based client portal.
Connection via GSM signal to Intellistorm® optional.	Provides control of tank water levels to optimise water reuse efficiency (via predictive weather forecasting).

SPECIFICATIONS	WM1000 20-50	WM1000 20-60	WM1000 25-50	WM1000 25-60
Maximum flow rate (m³/h)	20	20	25	25
Maximum pressure head (m)	48	60	48	60
Power	Single phase 240v 32 amps	3 phase 400v 32 amps	3 phase 400v 32 amps	3 phase 400v 32 amps
Width (mm)*	800		1000	
Height (mm)*	1500		1500	
Depth (mm)*	800		800	
Empty weight (kg)	200		215	
Max. weight (kg)	400		415	
Material	Powder coated steel or HDPE fabricated housing			
Rainwater inlet connection	1 ¼" BSPM		2" BSPM	
Mains water inlet connection	1 ¼" BSPM			
Outlet connection	1 ½" BSPM			
Overflow connection	110mm			
Telemetry signal	GSM (optional extra)			
Noise	45db			
Air gap	Category 5 AA Rated, meets BS 8515			
Volume of header tank (L)	200			
Warranty	1 year parts and labour 5 year fully managed parts, maintenance and labour (optional)			

*Excludes clearances, exact dimensions provided on order

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