



## Waterscan WM1000

Rainwater harvesting system



### Overview

A fully automated system offering an integrated rainwater management and delivery platform to control the collection, treatment and distribution of rainwater to the end user application; with water supplied seamlessly through periods of rainfall and drought due to the failsafe mains water backup.

### Features

- Supplies up to 25m<sup>3</sup>/ hour (bespoke pump sizes available on request)
- Variable speed pumping included as standard - sized to the application
- Soft close valves included as standard
- Partner with rainwater collection and treated water tanks, above or below ground compatible
- Volt free BMS connection
- Submersible pump to deliver collected rainwater to control unit
- Rainwater tank level gauge and display
- Remote production volume monitoring available as optional extra
- Material: powder coated steel or HDPE fabricated housing
- Meets requirements of BS8515

### Description

The Waterscan WM1000 controller is supplied from a submersible pump located within the rainwater harvesting tank, whether this be under or above ground.

The unit's control software incorporates a level sensor ensuring rainwater is prioritised as the primary water source. The integral AA rated break tank ensures a constant water supply is achieved by intelligently switching to mains water when rainwater is unavailable.

A tiered redundancy system allows two mains water backups, operating on separate power supplies, to act in the event of system failure, ensuring even in the event of multiple component failure, your site is still supplied with water.

Sub-metering and automated meter reading (AMR) can be fitted as an optional extra and will report accurate rainwater and any mains water usage figures via telemetry (GSM signal) to Waterline<sup>®</sup>, Waterscan's online water management system. Clients have 24/7 access to their rainwater harvesting system's data.

## Technical

Technical data	WM1000 20-50	WM1000 20-60	WM1000 25-50	WM1000 25-60
Maximum flow rate (m <sup>3</sup> /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		1 ¼" BSPM	
Outlet connection	1 ½" BSPM		1 ½" BSPM	
Overflow connection	110mm		110mm	
Telemetry signal	GSM (optional extra)		GSM (optional extra)	
Noise	45db		45db	
Air gap	Category 5 AA Rated, meets BS 8515		Category 5 AA Rated, meets BS 8515	
Volume of header tank (L)	200		200	
Warranty	1 year parts and labour 5 year fully managed parts, maintenance and labour (optional)			

\*Excludes clearances, exact dimensions provided on order

## Technical drawings

