



Waterscan GWB

Greywater batch system



Overview

A fully automated system which requires minimal user interaction to consistently deliver treated greywater to meet the site's required daily demand, operating on a slow treatment principal for minimal energy usage for small to medium greywater volumes.

Features

- Smart design including IoT ready interface
- Siemens Human Machine Interface (HMI)
- Automated function
- Integrated dual mains water back up system
- Maximum production volume of 9m³/day
- Partner with greywater collection and treated water tanks, above or below ground compatible
- Conforms to Water Supplies (Water Fittings) Regulations when partnered with Waterscan tanks
- Uses WRAS approved components
- Water meter and remote production monitoring as standard
- Volt free output as standard, optional RJ45 connection
- UK manufactured
- Meets requirements of BS8525

Description

The housing material allows for onsite adjustment of connections reducing pipework and electrical needs for all parties involved.

Sub-metering and automated meter reading (AMR) is fitted as standard and will report accurate greywater and any mains water usage figures via telemetry (GSM signal) to Waterline®, Waterscan's online water management system. Clients have 24/7 access to their greywater recycling system's data, including live production and savings information.

The controller incorporates comprehensive fail safe measures (tiered redundancy) which comprises of two mains water supplies and a separate electrical supply to the pumps. This means that even in the event of multiple component failure, water supply is maintained avoiding service interruption.

Twin pumps are included as standard, operating in a duty assist fashion. All specified pumping is inverter driven thus closely controlling the duty needed for the pump to maintain sufficient water pressure. This not only ensures excellent energy efficiency, but superior noise control making the Waterscan GWB system suitable for installation in noise sensitive areas. This is particularly useful in greywater applications where plant rooms may be located adjacent to bedrooms or offices. Soft closing valves are also installed as standard to prevent water hammer, thus further reducing noise and eliminating pipe vibrations downstream.

Technical

Technical data	GWB 5	GWB 10
Maximum flow rate (m ³ /day)	5	10
Motor output (kW)	1.1	1.1
Power	240vac 32a	240vac 32a
Width (mm)*	1000	1000
Height (mm)*	1500	1500
Depth (mm)*	850	850
Empty weight (kg)	150	150
Greywater inlet connection	1"	1"
Mains water inlet connection	1 ¼"	1 ¼"
Outlet connection	1 ½"	1 ½"
Overflow connection	2"	2"
Remote monitoring	Yes	Yes
Noise	44db	44db
Chemical additive	None	None
Air gap	AA	AA
Warranty	1 year parts and labour 5 year fully managed parts, maintenance and labour (optional)	

*Excludes clearances, exact dimensions provided on order

Technical drawings

