



Waterscan GWOD

Greywater on demand system



Overview

A fully automated system which requires minimal user interaction to consistently deliver treated greywater to meet the site's required daily volume, operating on a fast treatment principle to quickly meet demand and reduce the need for large storage tanks.

Features

- Smart design including IoT ready interface
- Siemens Human Machine Interface (HMI)
- Automated function
- Adaptable to changing greywater demand volumes
- Mains water back up system
- Ideal for builds with spatial restrictions due to decreased storage needs compared to batch systems
- Maximum production flow up to 12m³/h
- Optional chlorine dosing
- Distribution pumping can be included as optional extra
- 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
- Water meter and remote production monitoring as standard
- Volt free output as standard, optional RJ45 connection
- Meets requirements of BS8525

Description

Waterscan's GWOD system uses a hollow fibre ultrafiltration membrane, incorporating an automatic backwash process, meaning water quality is of the highest level.

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.

Disc filtration provides high efficiency filtration of the greywater removing all particulates greater than 20 micron before they reach the membrane. This prolongs

membrane life and when coupled with the systems integral pressure monitoring and self-clean cycle, ensures system operation is uninterrupted between service visits.

The Waterscan GWOD system intelligently manages chlorine dosing, ensuring chlorine levels within treated greywater are at a safe level and comparable to that present in mains water supply.

When partnered with Waterscan supplied tanks, the Waterscan GWOD system incorporates a backup mains water supply to ensure seamless water delivery. The Waterscan GWOD system can include a variable speed pump set to provide efficient outgoing distribution. This is always specified bespoke to your application.

Technical

Technical data	GWO D1U2	GWO D2U4	GWO D3U6	GWO D4U8	GWO D6U12
Maximum flow rate (m3/h)	2	4	6	8	12
Motor output (kW)	4.66	5.26	7.51	9.06	10.06
Power	1 x 3 phase 400v, 32A				
Width (mm)*	2500	3000	3500	4000	2500
Height (mm)*	2300	2300	2300	2300	2300
Depth (mm)*	800	800	800	800	1.5
Empty weight (kg)	607	666	779	867	890
Greywater inlet connection	1 ¼" (adjustable)				
Mains water inlet connection	1 ½" (adjustable)				
Outlet connection	1 ½" (adjustable)				
Overflow connection	2" (adjustable)				
Remote monitoring	Production monitoring via GSM (optional extra)				
Noise	95dbl @ 1 metre (1 min/hour) (option to reduce to 45db)				
Chemical additive	Sodium hypochlorite				
Warranty	1 year parts and labour 5 year fully managed parts, maintenance and labour (optional)				

*Excludes clearances, exact dimensions provided on order

Technical drawings

