Nutra-Lite SBR Controller
Intelligent sewage treatment system management

The Marsh Nutra-Lite SBR Controller is an intelligent sewage treatment control system, uniquely designed by Marsh Industries for optimal performance in Sequential Batch Reactor (SBR) plants.

Engineered with forward-thinking features and future-proof capabilities, the Marsh controller is unmatched in functionality and innovation, offering a suite of controls unavailable in other systems.

MADE IN BRITAIN®

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Effortless installation and power-efficient design

Designed with simplicity in mind, the Marsh Nutra-Lite SBR Controller comes pre-configured and ready for seamless integration with the plant. Requiring only a standard electrical socket and a straightforward compressor connection, installation is swift and user-friendly. Key installation features include:

- **Minimal air connections** Just one air connection links the compressor to the controller, and only four additional connections to the plant's aeration and air-lift systems are needed.
- **Motorised valve protection:** These valves require power only during operation changes and will automatically close in case of a power failure, preventing the compressor from flooding.
- **Single compressor operation:** The controller is designed to operate the entire plant with a single compressor, enhancing energy efficiency.

Smart connectivity and user-friendly access

As an IoT-enabled controller (Internet of Things), the Marsh Nutra-Lite SBR Controller offers convenience through internet and mobile access, allowing users to configure and monitor the system remotely. The intuitive design includes:

- **Simple interface:** Essential operations are accessible via three buttons on the controller itself.
- **Mobile browsing:** Installation settings and advanced features are accessible through a mobile phone or tablet, with an easy-to-use interface.
- **Flexible connectivity options:** Connect to the internet using built-in WiFi or an optional GSM module for remote management, monitoring, and upgrades.

Comprehensive monitoring and remote operations

Remote management is at the heart of the Marsh Nutra-Lite SBR Controller, providing insights and control. Key monitoring and remote operation capabilities include:

- **Alerts and notifications:** Customisable email alerts for multiple users keep end-users informed of plant status.
- **Remote operations:** Effortlessly monitor and adjust operations from anywhere, including:
  - *Checking water levels and detecting blockages*
  - *Updating software and setting operational parameters*
  - *Configuring WiFi and GSM connectivity*
  - *Viewing operational hours, ECO cycles, internet status, and calibration settings*
  - *Accessing manual and calibration controls, telemetry, and high-level alarms*

Built-in future-proofing and advanced capabilities

The Marsh Nutra-Lite SBR Controller is engineered with long-term adaptability, ensuring it evolves alongside advancements in wastewater technology. Future-proof features include:

- **Software version control:** Keep your controller up-to-date with the latest performance improvements.
- **Effluent volume calculations:** Track the volume of processed effluent for effective management.
- **Natural coagulant integration:** As natural coagulants become viable, the controller can accommodate these eco-friendly options.
- **Remote upgrades for enhanced performance:** Incorporate the latest SBR research innovations without on-site updates.
- **Seasonal maintenance adjustments:** Adapt the controller's performance to seasonal needs.
- **Multi-user and plant administration:** Perfect for contractors, installers, maintenance teams, as well as end-users, the controller allows for centralised management across multiple sites.
- **Remote assistance:** Installers, maintenance teams and end-users benefit from Marsh's remote support for smooth operations and troubleshooting.

Certified excellence and exclusive availability

The Marsh Nutra-Lite SBR Controller is crafted to meet the highest industry standards, boasting the 2024 PIA Certification and exclusively available with the Marsh Nutra-Lite plant, it is the most advanced and feature-rich controller on the market, with advanced technology that is entirely unique to Marsh Industries.

For contractors, installers, and end-users, the Marsh Nutra-Lite SBR Controller offers unrivalled control, automation and efficiency. With this controller, you're investing in a solution that not only meets today's needs but is equipped to grow and evolve with future advancements in SBR technology.

Operating and connectivity options

Operate controller via buttons on unit

Operate controller directly via WiFi access point

Operate controller remotely when controller is connected to household WiFi

Operate controller remotely with optional GSM module and IoT Sim

Status reporting by email at various intervals (ie, 4-hour, 12-hour, daily)

Error report by email, immediate

Contact our eco-friendly team on

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nat-solutions@marshindustries.co.uk

to discuss your project's unique requirements or visit www.marshindustries.co.uk

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