

Comfortable control unit for continuous sewage treatment plants - easy to program and to operate

- Easily programmable via Excel™ form
- Blower monitoring by current or pressure
- Integrated Menu for manual control & change of step times
- Up to 5 + 1 relay outputs
- In- and output connection type customizable

Why use the Sequetrol® easy control unit?

- Suitable for fixed bed, vortex floating bed, CBR and most other continuous reactor cleaning technologies
- Blower / output monitoring via current or pressure measurement
- Reliable technology proven in thousands of installations
- Password protected system menu
- Up to 5 + 1 relay outputs (5 x 230VAC, 1 x low voltage) offer easy connection of accessory devices
- One relay output for high load consumers (1-4A, > 500,000 switching cycles) possible
- Up to 3 digital inputs
- Different programs can be switched by digital input
- Custom-made connectors / outputs
- Integrated power socket for blower possible



Sequetrol® easy details

Sequetrol® easy was designed as a reasonably priced and comfortable control unit for small continuous reactor wastewater treatment plants.

Programmable Process:

The control unit was designed to suite a large variety of applications.

- All on / off times of the particular outputs are **programmable for daytime or nighttime**
- Daytime and nighttime can be specified
- Two **different programs can be toggled** by digital input 1 - e.g. **Eco-program** can be activated by manual switch
- Outputs used for valves can control blower output
- Special **biology-build up function ensures proper bacteria growth within the first months** of operation
- Outputs can be controlled by digital inputs / float switches

Even customer specific features that are not yet implemented can be added on request. These are for example a sequential switching of two outputs with a certain time delay or a coupling of outputs.

Menu:

The **Sequetrol® easy** unit is equipped with a pre-installed **menu** which was developed **focusing on easy**

and intuitional operation. These points are part of the menu:

- Indication of **operating hours**
- **Manual control** of the particular air / electric outputs
- Indication of **electric current / pressure** (option)
- Modification of **step times**
- Status of in- & outputs

The service menu with its system-related **settings** is **password-protected**.

Control unit:

Three buttons, two LEDs, an alphanumeric **LCD display** - regarding its operability our **Sequetrol® easy** leaves nothing to be desired. The device can be equipped with **pressure** and **current sensing** to monitor the blower.

The **Sequetrol® easy** is also equipped with features such as **acoustic signaling** of predefined conditions, a **sequence program permanently saved in the EEPROM** and a set of **NiMH rechargeable batteries** to ensure continuous **signaling during power outage**. All electrical connections are implemented according to customer request: Connectors or cost-effective and universally compatible screw type terminals.

Technical data

Attribute	Value
Dimensions (l x w x h); weight	179mm x 190mm x 83mm; 1.5kg
Ambient temperature	-20°C to +55°C
Protection classification	IP 54, with integrated power socket IP44
Functions, sequence program, alarms, display messages (also multi-lingual)	All according to customer request and requirement. Sequence programs are designed and adapted by the wastewater treatment plant manufacturer by means of an Excel®-sheet.
Display / LED	Illuminated (backlit) alphanumeric LCD Additionally up to 2 LED - Running and Error
Signal-inputs	1 digital input Pressure sensor 0-400mbar Current sensor 0-3A
Data interface	RS-232 (using BONNEL programming adaptor)
Electrical output	According to customer request, up to 4 relays 230VAC and 1 relay as potential-free contact (230VAC or low voltage) Output for <i>BonFlash-C</i> alarm beacon (5VDC, 50mA max.)
Power supply during mains failure	2x NiMH rechargeable batteries (size AA)
Power supply	230VAC, 7VA max.