



BIUNIT M35 WDRC T2000

Disposal system for the mobile
wastewater disposal of bioreactor toilets

VOGELSANG – LEADING IN TECHNOLOGY

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The Vogelsang BioUnit M35 Pro WDRC T2000 is a mobile cleaning solution for wastewater treatment systems based on the bioreactors from A+V Protec Rail. It enables fully automatic cleaning and descaling according to manufacturer specifications.

The BioUnit M35 is equipped with a robust add-on chassis for mobile use. It can be transported to any location with a suitable towing vehicle. The tried-and-tested Vogelsang rotary lobe pump enables the bioreactor to be circulated and rinsed during the cleaning cycle in addition to suctioning off the wastewater. An additional high-pressure pump supplies the high-pressure cleaning nozzles installed in the bioreactor for efficient mechanical cleaning and mixing.

The tank unit of the BioUnit assembly system is divided into two separate chambers. One chamber receives wastewater and the second chamber is used to hold a diluted acid, which is required for the chemical cleaning of the bioreactors. This enables the acid to be used several times and thus the use of chemicals to be very economical.

The BioUnit control has a communication interface to the bioreactor. The required connection to the bioreactor is established via a signal cable. This enables sensor-monitored operation and the control of valves. The system is operated via a 10" touch screen. The desired settings can be made and the operation of the system can be monitored.

The result of the cleaning and any necessary maintenance steps are logged and digitally stored by the BioUnit control. If desired, the data can be called up via remote maintenance access.

Advantages

- Flexible use
- Robust and maintenance-friendly Vogelsang rotary lobe pump
- Semi or fully automatic operation of cleaning, descaling and neutralization

OPTIONS

Basic equipment:

- High-pressure pump, valve unit for mechanical cleaning, flushing hose set and signal cable for level monitoring of the bioreactor.
- Mobile use with industrial trailers, self-propelled or with add-on chassis.
- Stationary as a cabinet or T-system with supply and disposal via technical control center

Semi-automatic as Plus version:

- 5" (7") touch panel for operation and setting, user management, overpressure shutdown when emptying the tank, error list in plain text with location information
- Optionally with additional sensors for flow and pressure detection or flow measurement



Additional equipment decalcification:

- Acid tank for acid reuse, frost-free heated chemical store, valve unit for chemical cleaning, automatic acid mixing.
- Optionally with pH value evaluation, automatic neutralization and acid monitoring

Fully automatic as a Pro version:

- 10" touch panel, sensors for flow and pressure detection, selectable cleaning intervals with operator guidance and logging of the cleaning and maintenance results, communication and valve control of the bioreactor via a signal cable
- Optionally with data logger for pH value acquisition

What we offer

We provide solutions in the following sectors:
AGRICULTURAL TECHNOLOGY, BIOGAS,
INDUSTRY, TRANSPORTATION, WASTEWATER



Our broad range of products and services

- Consulting and service
- Data management and control technology
- Disintegration technology
- Individually tailored solutions for special applications
- Pumps and pump systems
- Solid matter feeders
- Solids reduction, separators and mixers
- Spreading technology
- Supply, disposal and cleaning

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BioUnit_EN_09207722_MET1147 – Printed in Germany

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