

Disposal Trailer easyBioreact plus



The disposal trailer easyBioreact plus from Vogelsang is designed for the flexible, mobile disposal and cleaning of bioreactor toilet systems in rail cars.

The high-quality industrial trailer ensures a large working radius and can be used regardless of the location.

The vacuum extraction unit is made up of a combination of a Vogelsang rotary lobe pump and twinshaft macerator XRipper for pumping and macerating wastewater to the transport container. It also features a compressor unit for opening and closing the valves. A high-pressure pump is used to additionally flush the filter cake in the solid matter area of the bioreactor.

The intelligent control unit offers various fully automatic and manual service programs. Error messages do not initiate a complete stop. The system automatically remembers the last step made before the error and resumes the procedure. All parameters can be adjusted via a network connection or online via a GSM remote control module.

The large-volume GRP transport container with dome cover is located in a heated cabinet and also has a drain valve. The tank exhaust air is cleaned via an activated carbon filter, preventing unpleasant odors from being released.

Advantages

- Robust industrial trailer
- Powerful Vogelsang vacuum extraction unit
- Fully automated operation
- Extremely easy to operate
- Large-volume transport container made of GRP
- Easy-to-maintain construction
- Winterproof thanks to heated cabinet
- Decalcification device
- Activated carbon exhaust air filter unit for cleaning tank exhaust air

Optional Extras

- Wide range of configurations, including stationary systems, available depending on customer requirements



Disposal trailer easyBioreact plus

Disposal trailer easyBioreact plus specifications*

Carrier vehicle

Load capacity:	5,000 kg
Substructure:	Torsion-free steel-profile frame, fourwheel design
Steering:	2-axle turntable steering
Equipment:	changeable scissor-shaped drawbar with drawbar eye \varnothing 35mm, handle and safety device to prevent falling, parking brake
Tires:	solid rubber or pneumatic tires
Speed:	max. 8 km/h

Discharge Unit

Transport container:	GRP with up to 3,000 liters including dome cover and connector set
Vacuum extraction unit:	Vogelsang VX136-70Q Vogelsang XRipper XRS100-90Q
Vacuum extraction power:	approx. 420 l/min
Pump drive:	Geared motor, 3,0kW, 352 RPM 3x 400/690 Volt, 50Hz
High-pressure pump:	Nilfisk Alto Poseidon, 220 bar
Compressor:	Kaeser Premium compact
Hose set:	6 m special hose DN50 with ball valve and 3" KAMLOK female coupling. 6 m Amorvin hose DN25 with 1" KAMLOK female coupling

*Configuration example: all easyBioreact plus systems are special designs based on customer requirements