

 **veenhuis**

CORPORATE
BROCHURE



Manure Matters



FEATURES

- ⊕ Solid design
- ⊕ Vacuum pump
- ⊕ Fully galvanised
- ⊕ Comprehensive accessories
- ⊕ Large tyres

ECOVAC SLURRY TANKS

Like the EcoFarm tank, the EcoVac tank is also available with capacities of 8,000 to 14,000 litres. It was developed for livestock farmers who wish to spread their own manure but want a broader range of options. Its robust design, combined with a fully galvanised tank and chassis, make this Veenhuis tank a reliable investment.

The tank features mudguards and large wheel arches and can be equipped with large tyres with up to 1850 mm diameter. The EcoVac comes with 800/60 R32 tyres as standard. Its height-adjustable drawbar can be mounted easily to any tractor, regardless of the chosen tyre size.

The EcoVac tank is a vacuum tank. Air is displaced via a B&P MEC 13,500 pump, which comes as standard. This pump delivers high capacity at a low negative pressure and therefore ensures adequate fill rates even with deep manure pits. An optional suction arm and turbo filler and/or spreader can be installed to increase capacity further.

The EcoVac tank features air brakes and a load pressure control system as standard. The latter automatically adapts to the tank fill level.

ECOVAC		
Capacity	Tank diameter	Tank length
8,000 L	1600 mm	4000 mm
9,800 L	1800 mm	4000 mm
12,500 L	1900 mm	4500 mm
14,000 L	2000 mm	4500 mm



Top pressure cylinder

A top pressure cylinder can be installed on the drawbar to transfer loads to the tractor's front axle and therefore increase tractor traction. When combined with PremiumControl, the pressure can be set to any required level via the switch box. The system is easily deactivated once the tank is empty to reduce tyre wear to a minimum.



VMR Superpump

This renowned pump has long been synonymous with exceptional durability and minimal maintenance costs. VMR pumps can be optionally installed on the EcoVac tank. They use very little oil and feature an inbuilt reservoir for spent oil. The special blades are made of hardened steel for a long lifespan and provide a perfect seal to the housing, ensuring maximum vacuum. The specially shaped housing minimises the development of heat. Another advantage is the pre-filter installed on each pump as standard.





Rapid filling with a 6" turbo filler

A Veenhuis turbo filler allows for a vastly increased vacuum tank capacity. Using a 6" turbo filler substantially boosts the EcoVac's fill rate and reduces filling times to a minimum. Veenhuis turbo fillers are solidly designed and extremely resistant to wear. Turbo fillers developed by Veenhuis are characterised by high performance, combined with low wear and maintenance costs. As an additional plus, they are also easily accessible.



Rapid removal with a 6" turbo spreader

A turbo spreader delivers additional power when spreading manure, which offers advantages when using larger working widths or applying larger volumes per hectare. The specially shaped blade ensures that blockages are reduced to a minimum, even with excessive amounts of silage residue. The already low power requirements are minimised further, as the system works at a lower tank pressure.



Maximum speed with an 8" suction arm

The short suction arm combined with an 8" centrifugal pump delivers maximum intake performance. A double swivel joint supports intakes even from deep pits as well as directly from silos or containers. The suction arm with centrifugal pump and gate valve is controlled via a joystick. The valve opens at the push of a button, and the centrifugal pump starts rotating. When the main gate valve is closed, the suction arm ventilation is activated to ensure that the arm can be folded straight back in after use for outstanding comfort!



Automatic dosage

Looking for precise and comfortable manure spreading? The Veenhuis EcoVac tank features not only a metering display, but also fully automatic dosage as an option. The required application rate per hectare is simply entered via a terminal, and the tank does the rest. The operator can focus on driving, and slurry is dosaged out with precision. Wheel sensors measure the speed. An industrial ball valve controls the application rate and automatically adjusts to any changes in speed. The precision of this system is DLG-tested for both high and low application volumes, so that correct dosage is ensured across the full spreading cycle.

Manifold

The linkage, rear gate valve and macerator are operated via a hydraulic manifold with step switch, which is controlled via a double-acting tractor function. An automatic turning device can optionally be used for the macerator. Other functions are connected to the available double-acting functions on the tractor.



EasyControl

As the name already suggests, this system ensures that all tank functions can be controlled with ease. Choose EasyControl if your tractor only has a limited number of double-acting functions or whenever operating comfort is essential. All tank functions are operated electrohydraulically via toggle switches. A suction arm, if installed, is controlled via a separate joystick.



PremiumControl

PremiumControl meets all requirements of progressive livestock farmers who already work with application maps or intend to do so in the near future. With this option, the tank is supplied with an ISOBUS Tellus GO terminal, which can be operated via a touch-screen or push buttons. Customers are able to assign the various auto-start/stop functions according to their individual needs. The system can also be coupled with a fully automated dosage system. Upon request, it can also be used for proportional linkage control so that the pressure applying to the linkage can be controlled continuously from the terminal. Visual displays support the task you are currently working on or what is going on in the tank. Fit for today and the future!



Linkage

The highly robust 4-point linkage (centre distance: 1010 mm) is designed for attaching heavier injectors or injectors with larger working widths. The attachment of the lift cylinders to the tank ensures that power is optimally transmitted to guarantee reliable, thorough operation. The low sub-frame attachment underneath the tank creates an ideal line of traction. The linkage features quick-change hooks, which allow the injector to be changed easily. Proportional pressure control is available as an option. This allows greater pressure (or even negative pressure) to be applied to the linkage to reduce injector strain in wet conditions and in loose soils. Naturally, all of these functions can be continuously varied from the terminal.

