

 **veenhuis**

CORPORATE
BROCHURE



Manure
Matters

With a Profiline tank,
you're set up well for
now and the future.



FEATURES

- ⬢ Numerous options
- ⬢ Double-acting Veenhuis 4-point linkage
- ⬢ Almost all Veenhuis injectors can be connected

PROFI- LINE

Profiline tanks mean no more compromises, as they are designed as complete slurry tanks capable of being used even with heavier injectors in their standard version. This machine reflects 30 years of experience with application tanks. Profiline tanks feature a chassis with hydraulic suspension as standard. The quality of these products is evident from the fact that they come metallised, painted in yellow and protected with a clear coat of paint as standard, giving these machines the professional aesthetics they deserve. The tanks feature 800/60 R32 tyres as standard to ensure that operators can work with minimal soil compaction. Profiline tanks offer security. If your operational situation changes, many options can be either retrofitted or modified, as flexibility forms part of these machines' fundamental design. Maximum performance at an attractive price!

PROFILINE SINGLE-AXLE TANKS

Capacity	Tank diameter	Tank length
10,000 L	1800 mm	4000 mm
12,500 L	2000 mm	4000 mm
14,000 L	2100 mm	4000 mm
14,300 L	2000 mm	4500 mm
15,800 L	2000 mm	5000 mm

PROFILINE TANDEM AXLE TANKS

14,850 L	1800 mm	6000 mm
16,600 L	1900 mm	6000 mm
17,350 L	1800 mm	7000 mm
18,450 L	2000 mm	6000 mm
19,450 L	1900 mm	7000 mm

PROFILINE TRIPLE-AXLE TANKS

22,000 L	1900 mm	8000 mm
24,700 L	2000 mm	8000 mm
29,100 L	2100 mm	8500 mm





High-quality vacuum pumps

The standard equipment of Profiline tanks with vacuum pump includes a 13,500-litre MEC pump, which stands out through its large capacity and low wear costs. A double Veenhuis Super-pump can be optionally installed. These pumps use very little oil and feature an inbuilt reservoir for spent oil. The special blades are made of hardened steel for a long service life 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.



Powerful screw pumps

Profiline tanks with screw pumps are available with three pump versions, from 4000 l/min to 7800 l/min. This segment therefore services the market where there is demand for this type of displacement technology. Screw pumps deliver high, constant suction capacity, and the combination of a screw and stator creates a large contact surface, which enables the pump to take in slurry from greater depths. A cutter filter is available as an optional extra. Cutter filters protect the pump by cutting larger lumps down to pumpable size during the filling process.





Rapid filling, rapid removal

Using a turbo filler substantially boosts the Profiline tank'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. 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.



Fully automatic dosage

Looking for precise and comfortable manure spreading? The Veenhuis Profiline 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 dosaging is ensured across the full spreading cycle.



Powerful linkage for attaching heavier injectors

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. As the linkage frame is able to swivel, the attached injector is less affected by uneven surfaces on the fields. The linkage features quick-change hooks, which allow the injector to be changed easily.



Power steering

Power steering increases both operator safety and comfort, and it is essential especially for larger-capacity implements. It reduces the loads applying to the axles when reversing on small yards and at headlands, and it facilitates manoeuvring. The steering can be connected in line with relevant DIN standards. Both hydraulic and electronic power steering is available.

Comfortable drawbar suspension

The drawbar features a hydraulic suspension for increased operator comfort and improved safety on roads and fields. The suspension is just as effective with empty and full tanks, ensuring that you enjoy maximum control and optimal comfort while operating the tractor. Ideal in rough terrain! As the suspension cylinders are mounted to the powerful drawbar, both suspension travel and tank position can be set to any height.



Telescopic axle for minimal soil compaction

The Profiline tank is optionally available with a telescopic axle, which can be extended by 50 cm on both sides. This ensures that machines do not need run in the same tracks as often and reduces soil compaction to a minimum in combination with the large tyres, which come as standard with Profiline tanks. The Veenhuis telescopic axle is designed for large loads. It delivers outstanding safety compared to other machines, even when working in hilly and mountainous terrain, giving these tanks a unique competitive advantage. The unique telescopic axle design keeps maintenance costs at a minimum and reduces tyre wear.



Top pressure cylinder for increased traction

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. When choosing the optional drawbar suspension, the top pressure cylinder is coupled to the drawbar suspension. As a result, power is automatically transferred without you needing to even think about it.



Short 8" docking arm

The short docking arm comes with entry-level Profiline tanks. It offers the same comfort as a suction arm, plus high fill rates at low costs. The arm is folded down onto a docking device via a cylinder. The docking arm is controlled via a joystick, which can also be used to activate or suspend the filling cycle. A ventilation valve, which is operated automatically together with the main gate valve, is additionally installed as standard. An in-arm turbo filler is recommended for maximal performance. Veenhuis also supplies matching docking stations.





Short 8" suction arm

The short suction arm is ideal for taking slurry in from pits or containers. The additional pivot joint on the suction arm allows the arm to be placed in any position. The arm is controlled via a joystick, which can also be used to activate or suspend the filling cycle. A ventilation valve, which is operated automatically together with the main gate valve, is additionally installed as standard. An in-arm turbo filler is recommended for maximal performance.



Large, pivoting 8" suction/docking arm

The large, pivoting suction/docking arm is the perfect solution when docking at large heights. The arm can be moved both vertically and in the direction of travel. It features a quick-change system, which allows both a suction hose and short docking attachment to be connected. The arm is controlled via a joystick, which can also be used to activate or suspend the filling cycle. The joystick can also be equipped with proportional control for maximum ease of operation. A ventilation valve, which is operated automatically together with the main gate valve, is additionally installed as standard.



Filling dome and riser with docking device

The Profiline tank can also be equipped with a hydraulically operated filling dome for external filling. The dome, which has a diameter of 600 mm, can be controlled from the tractor cab. An 8" riser with an 8" docking device can be optionally installed so that the tank can also be used for transport purposes, if required.



Tyre pressure control system

A tyre pressure control system not only allows soil compaction to be minimised, but also ensures that tyre wear and fuel consumption can be reduced. A tyre pressure control system comprises a tyre which can be used at low pressure. Veenhuis decided to equip Profiline tanks with 800/60 R32 tyres as standard, as these have all the features you expect from low-pressure tyres. Always drive your machines at the optimal tyre pressure under any conditions! If you use a high-performance compressor, you can install a tyre pressure control system on your tractor and control it via the compressor. Veenhuis offers a range of options for this solution.

Comfortable ISOBUS control

All Profiline tank functions can be controlled via ISOBUS. Easy-to-use push buttons and smart control functions, including for headlands, ensure comfortable operation and allow the operator to focus on driving. The linkage pressure control and application rate can be continuously adjusted while driving. ISOBUS control additionally permits the use of application maps and the connection of an NIRS sensor.



Toolbox and water tank

With the handy toolbox, you always have the tools and tank spare parts you need at your fingertips. The box is roomy enough for all parts. The Profiline tank can additionally be equipped with a water tank for washing dirty hands at any time. Helpful extras for everyday use



2-chamber technology for maximum traction

Yet another option for your Profiline tank is a 2-chamber solution. With this mechanically controlled technology, the front chamber remains full until last. The system retains maximum support loads as long as possible throughout manure application. When combined with an automatic front axle load reduction, it ensures that maximum loads are transferred onto the tractor to deliver superior traction and safety. As both systems are controlled automatically, operators are able to focus on driving the machine rather than controlling it.



Rapid 2-way ventilation

Using a rapid ventilation system, pressure inside (vacuum) tanks can be quickly released once the tank has been emptied. As a result, a vacuum can be instantly recreated inside the tank, which prevents contaminated air from passing through the vacuum pump. Tanks equipped with a screw pump feature a ventilation system as standard, which is also closed mechanically once the tank is full. This ensures that the slurry remains inside the tank during transport and cannot spill out of the tank in case of sudden braking.

