

# Profiline & Premium Integral



 **veenhuis**  
Master your Manure





**Minimum ground pressure,  
maximum capacity**



# Tanks

with an eye for  
the future

As a contractor and livestock farmer, you want to work with a user-friendly tank that always performs. Under all circumstances. Minimum ground pressure, maximum capacity is a requirement for this.

Veenhuis is a leader in efficient manure application and nutrient management, to ensure optimal crop growth. We believe in the cycle of organic manure contributing to soil nourishment, plant health, for the benefit of animals and people, **today and tomorrow.**



# Pioneers

## in efficient manure application

**Since the 1960s, Veenhuis has been a pioneer in efficient manure application.**

Veenhuis has been active in sustainable fertilization since the 1960s. At that time, manure was mainly seen as a waste product that had to be applied to the land in an environmentally friendly way.

Organic manure is anything but a waste product, and Veenhuis realises optimal utilisation of nutrients from this manure. This is why we develop, design and produce systems and products that allow agriculture to gain maximum benefit from organic manure. **An essential nutrient for healthy soil life.**



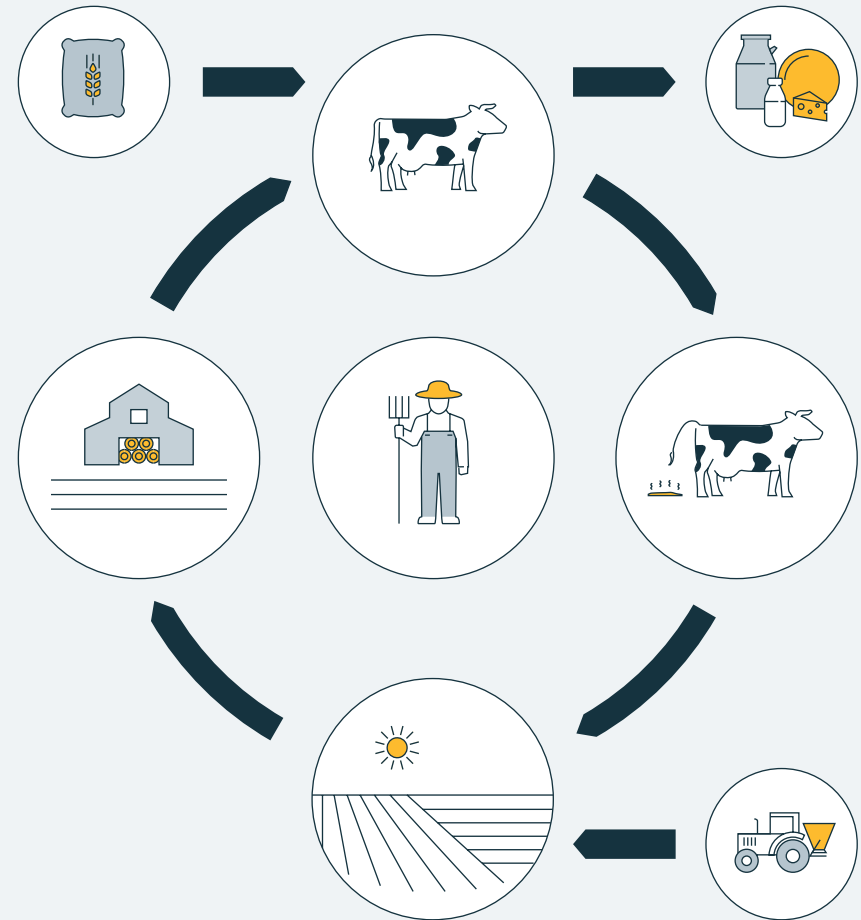




# Sustainable Agriculture with optimal yield

With its tanks and injectors, Veenhuis is contributing to making agriculture more sustainable and closing an efficient soil-plant-animal cycle. Because the nutrients from the organic manure are maximally available to the crop, optimal yield is achieved with minimal use of artificial fertilizer.

The quality of the crop is also better, because the manure is applied directly into the soil, and thus the crop does not get smeared. In addition, the risk of leaf burn is minimal, especially in hot and dry weather. More importantly losses of valuable nutrients from volatilisation are significantly reduced. Contribute to the preservation of the land and the mineral cycle with a Veenhuis tank.



# Suitable for any user

The Veenhuis manure tank concept is known for its many possibilities. As a contractor, a high degree of adaptability is expected: our tanks move with it.

Veenhuis tanks always come with the guarantee that ground pressure is minimised, in combination with the highest achievable capacity. In addition, minimal maintenance costs ensure a long lifetime.

Optimal operator comfort makes the tank easy to operate for the driver and gives maximum performance. Machine output is optimised with high speed tank filling and field application ensuring high volumes of manure can be spread in a short period of time in optimum conditions.

**This is how the Veenhuis tank supports the contractor.**



# The right pump for every application

With its various pump systems, Veenhuis has the right technology for every application. All pumping techniques are aimed at achieving maximum capacity with minimum power input.

Whereas vacuum pumps are known for their low maintenance costs and maximum capacity in combination with a centrifugal pump, rotary lobe pumps are characterised by a consistently high suction capacity. The Vogelsang rotary lobe pump is also frequently used alongside the eccentric worm pump.

Maximum unloading capacity is achieved with the centrifugal technology on the Premium Integral tanks. With a potential output of 14,000 litres per minute, this pumping technology is ideally suited for applicators with large working widths. **There is always a pump to suit your application.**













# Optimal crop growth

## through measured manure application

Simply and precisely applying the right amount of manure to the right place is possible with the automatic dosing system. The required dosage is entered into the terminal and the tank takes care of the rest. As a result, the exact dosage is applied, and the driver can focus on driving.

The different pump systems also have different dosing systems. The rotary lobe technology works with the Veenhuis FlowControl automatic speed control of the pump so that the dosage is adapted to the requirements.

In the vacuum tanks, the manure flow is measured with the Veenhuis AutoFlow and, on the basis of this, a ball valve is adjusted to achieve the correct dosage. **In this way, the Veenhuis tank always delivers the right amount of manure to the right place.**



# Completely full as quickly as possible

Thanks to the various suction and docking arms, the tank is quickly and completely filled. Whether it is from a manure pit, a basin, a transport tank or a docking station, Veenhuis has a suitable solution for every application.

In addition to the suction and docking arms on the side of the tank, the Premium Integral also has the option for a crane arm on top of the tank. With the different variants, loading from both sides of the tank can be achieved.

The Veenhuis front docking arm makes it possible to dock directly from any tramline to a transport tank. This prevents plant damage, and maximum efficiency is realised because the injector can remain unfolded during filling. **Experience flexibility and capacity with the different filling options.**













# Extra capacity with the Veenhuis Fillturbo

The Veenhuis Fillturbo provides an enormous increase in capacity. Because there is minimal resistance in the supply line to the tank, the highest filling capacity is achieved. The Veenhuis Fillturbo is robustly built, easily accessible and highly wear-resistant. **Maximum capacity combined with low wear and maintenance costs.**





veenhuis

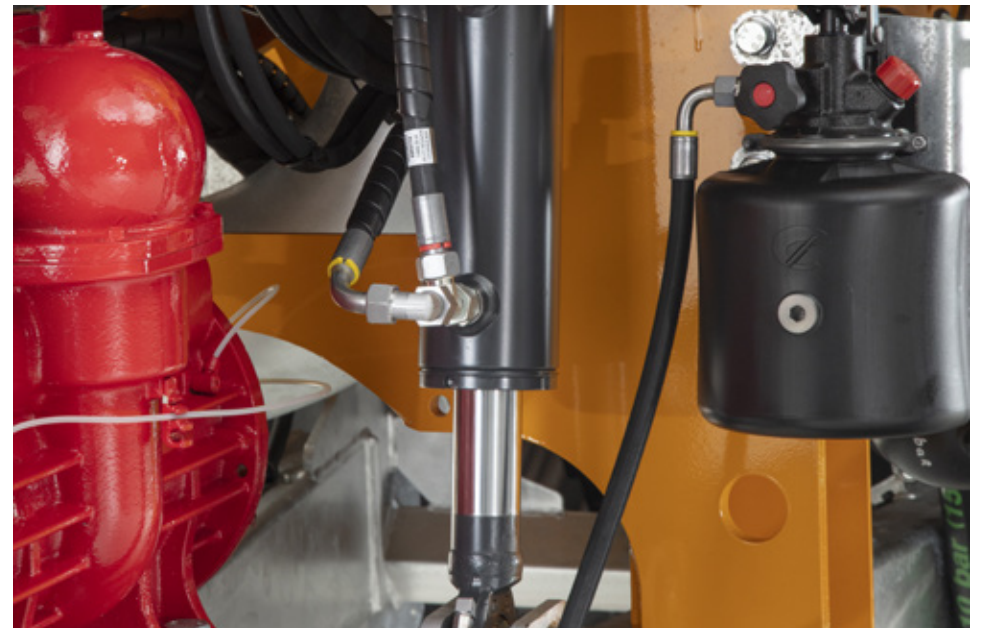






# Comfortable and safe on the road

To transport manure quickly and safely, Veenhuis tanks feature various types of chassis. With hydraulic suspension in combination with hydraulic drawbar suspension, unevenness in the road surface is easily absorbed. **Comfortable and safe driving, regardless of whether the tank is full or empty.**













# Sustainable land use

the added value of healthy soil

Getting the most out of the soil without exhausting it is vital for the agricultural sector. Biodiversity, good water and nutrient absorption contribute to crop growth and workability of the soil.

Veenhuis contributes to maintaining a healthy soil by means of a wide range of large tyres. In addition, innovative concepts such as the tyre pressure exchange system and sliding axle technology protect the soil structure.

Soil compaction is reduced to a minimum through the combination of large tyres and a sliding axle construction, which reduces the amount of track travel. The Veenhuis Profiline and Premium Integral tanks can be equipped with a sliding axle that extends 50 centimetres on both sides. A system that benefits the customer, the land and the driver.



# Minimum ground pressure maximum capacity

Getting the maximum yield from the land by minimising ground pressure, without sacrificing capacity. That's the advantage of the Veenhuis Premium Quad-Shift tank. Thanks to the cleverly designed wheel set with 65 centimetres Veenhuis Wideshift, the tank travels well in the field and is more stable and comfortable on the road.

In addition, there is no longer any overlap with the tractor wheels, so that each wheel has its own track and the pressure distribution is optimal. The Premium Quad-Shift is the solution for manure application on weaker soils and/or in wet conditions.













# Control unit

## intelligent and easy to operate

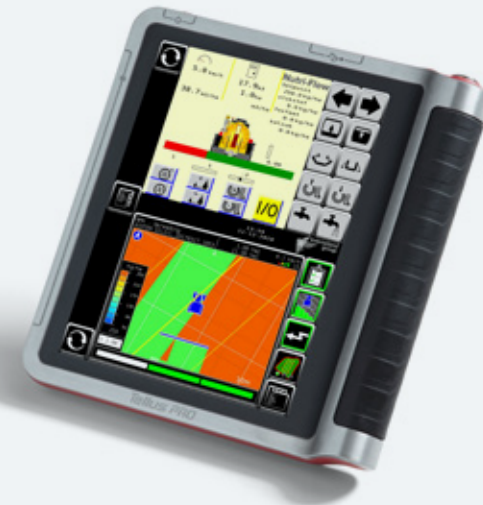
The various operating systems ensure that the Veenhuis tank is easy to operate. This allows the driver to fully focus on driving and on the manure application process.

Complete Isobus control is possible through a Tellus GO+ or a Tellus PRO terminal or over a link to the terminal of the Isobus tractor. Manure application is possible by means of a pre-read task card and the activities are accurately recorded.

In addition to Isobus control, there is also an Easycontrol terminal. Here the various hydraulic functions are controlled by means of tumbler switches. The suction arm is operated with a separate joystick box. **Comfortable working with the focus on driving.**



*Isomatch Tellus GO+*



*Isomatch Tellus Pro*

# Robust and flexible

## simple and fast exchange of injectors

The robust four-point linkage is suitable for the attachment of heavy injectors or injectors with a large working width. Because the attachment of the linkage frame is built deep under the tank, the pulling line is ideal and the injector can be mounted compactly. With the Veenhuis quick coupler system, you can switch easily and quickly between the injectors.

To control the pressure on the linkage from the tractor cabin and to relieve pressure on the machine in heavy and wet conditions, there is the Veenhuis Presscontrol proportional coulter pressure control.

**Carefree manure application under all conditions.**





# Customised manure application with Veenhuis NutriFlow

Veenhuis NutriFlow assesses the organic manure on the basis of a real time nutrient analysis, so the maximum yield is obtained from organic manure and savings are made on artificial fertilizer. Via the NIRS analysis technique, the nutrients Nitrogen, Phosphate, Potassium, Ammonium and the dry matter percentage are determined throughout the application. Loss of valuable nutrients and possible additional artificial fertilizer applications are prevented.

NutriFlow enables agriculture to adjust organic manure applications to the nutrient needs of the soil and plant, **for optimal use and high efficiency.**



# Master your Manure

Life as a contractor and as a farmer is uncertain, which is why you always need to be able to rely on your machines to perform to the maximum at the moments that matter. You want to deliver top quality during manure application, regardless of the conditions.

The Veenhuis tanks and injectors are aimed at getting the maximum yield from organic manure. This is achieved by applying the manure where it has the greatest effect, at the root. Precision fertilization means applying the right amount of manure at the right place.

Thanks to our extensive experience and continuous development, we ensure that you are ready for the future. Together we guarantee mastery. **Today and tomorrow.**









# Technical specifications

TYPE:	PROFILINE-S	PROFILINE SINGLE-AXLE	PROFILINE TANDEM	PROFILINE THREE-AXLE	PREMIUM INTEGRAL TANDEM	PREMIUM INTEGRAL THREE-AXLE	PREMIUM QUAD-SHIFT
<b>Capacities</b>	<b>11.500-14.500 litre</b>	<b>10.000-15.800 litre</b>	<b>12.000-20.000 litre</b>	<b>22.000-29.100 litre</b>	<b>16.000-20.000 litre</b>	<b>22.000-34.000 litre</b>	<b>15.800 litre</b>
<b>Chassis</b>							
Axle-suspension	Bogie-tandem	Rigid axle	Hydr. suspension	Hydr. suspension	Hydr. suspension	Hydr. suspension	Hydr. suspension
Hydraulic power steering	●	-	●	●	●	●	-
Electronic power steering	○	-	○	○	○	○	-
Hydraulic drawbar suspension	○	○	○	○	○	○	●
Top pressure cylinder	○	○	○	○	○	○	●
Driving height sensor	-	-	○	○	●	●	-
Relieve function first axle	-	-	○	○	○	○	-
Tyre pressure exchange system	○*	○	○	○	○	○	○*
<i>* only with compressor in front linkage of tractor</i>							

<b>Tyres</b>							
Max. tyre diameter (in cm.)	165	200	185	185	185	185	205
Max. tyre diameter (in cm.)	75	105	80	80	80	80	62

<b>Pump system</b>							
Vacuum**	●	●	●	●	-	-	-
Pumptank (eccentric screw pump) mechanically driven**	●	●	●	●	-	-	-
Pumptank (rotary lobe pump) hydraulically driven	-	-	○	○	○	○	●
Centrifugal pump (in combination with vacuum)	-	-	-	-	●	●	-
<i>**the Profiline tanks are delivered in vacuum- or pump tank version as standard</i>							

<b>Dosage</b>							
Manually operated dosage valve	○	○	○	○	-	-	-
Flowmeter (only measuring)	○	○	○	○	○	○	-
Automatic dosage control (system depending on pump system)	○	○	○	○	○	○	●

Explanation of symbols: ● = Standard ○ = Optional - = Not available

All data has been compiled with the greatest possible care, but are non-binding. Changes in construction/design are always possible.



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<b>Filling options</b>							
Short docking arm right side	o	o	o	o	o	o	o
Short suction arm right side	o	o	o	o	o	o	o
Docking arm in height and width adjustable right side	o	o	o	o	o	o	o
Docking arm adjustable in height, width and direction of motion right side	o	o	o	o	o	o	o
Crane docking arm on the tank	-	-	-	-	o	o	-
Crane- docking- and suction arm on the tank	-	-	-	-	o	o	-
Front docking arm	o	o	o	o	o	o	-
Filling dome	-	o	o	o	o	o	-

<b>Injector version</b>							
Double acting 4-point linkage	●	●	●	●	●	●	●
Proportional coulter pressure regulation (Premiumcontrol)	o	o	o	o	o	o	●
Veenhuis quick-coupling	o	o	o	o	o	o	o
Multifaster	o	o	o	o	o	o	o
Preparation for Vogelsang dribble bar	-	-	o	o	o	o	-
Preparation for Bomech trailing shoe	-	-	o	o	o	o	-

<b>Control system</b>							
Hydrocontrol	●	●	●	●	-	-	-
Easycontrol	o	o	o	o	-	-	-
Premiumcontrol with Isomatch Tellus Go+	o	o	o	o	●	●	●
Premiumcontrol with Isomatch Tellus Pro	o	o	o	o	o	o	o
Isomatch Grip joystick	o	o	o	o	o	o	o

<b>NIRS-analysis</b>							
Nutriflow	o	o	o	o	o	o	o
Preparation for John Deere harvest lab	o	o	o	o	o	o	o





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