

MORE VALUE
FOR YOUR FIELD

KAWECO



KAWECO PROFI II
MORE VALUE IN THE FIELD

OUR COMPANY REESINK PRODUCTION BV

FOCUS ON ADDED VALUE

Reesink Production BV is responsible for the production and sales of KAWECO and part of Royal Reesink BV. KAWECO has been building agricultural machinery for more than 60 years, with a focus on the added value for the customer, such as slurry tanks and applicators that deliver great work through their technology. All our machines are built in-house in Hengelo (GLD.).

KAWECO originated from the passion for agricultural machinery. We share this passion with the customer. We take care of the soil and the entrepreneur. Reliable, fast and efficient, so that the right action can be taken at the ideal time. In our philosophy, every machine must first and foremost be of value for the land. As a result, a KAWECO machine provides added value for the soil, for the crops and for the entrepreneur of today and for future generations.

In order to meet our customers' needs and to be able to produce efficiently, the KAWECO machines are built in a modular fashion. All machines (both series and specials) are produced exclusively on demand in a well-equipped production location with the help of modern techniques and experienced professionals. Both sheet metal work, welding work and paint work are done locally in the Netherlands. This is how we guarantee the quality of our products. KAWECO machines are built with quality in mind. This means that only quality components are used in production.

Reesink Production strives for a long-term partnership with its customers, based on mutual respect.

The Reesink Production management team.





I PROUDLY INTRODUCE YOU TO ROYAL REESINK

ENABLING YOUR BUSINESS

More than two hundred years ago, Royal Reesink was founded by Hendrik Reesink, a pioneer and entrepreneur who thought outside the box. He realized at an early age that customers need the best quality, service and convenience. That has remained Royal Reesink's trademark over the centuries. Royal Reesink is now one of the largest, and still fast growing, distributors of machines and components internationally.

Royal Reesink consciously opts for a wide range of machines and products. Characteristic of Royal Reesink's brands is that they are leading on matters such as "total cost of ownership", lifespan, user-friendliness, comfort, safety and high residual value. Royal Reesink supplies through dealers or directly to agricultural companies, forestry and landscaping companies, public green areas and golf courses, logistics centres, industrial and construction companies, contractors and (local) governments. In the food, non-food, industry, transshipment (ports), agri, civil engineering and hydraulic engineering sectors. Royal Reesink also supplies hydraulic components and systems that are partly complementary to the machine range.

Being distinctive in terms of service, quality and customization. That is the unity in the diversity of our companies. Intensive cooperation is central to being able to offer the best solution.

Gerrit van der Scheer
CEO Royal Reesink BV



ADDED VALUE OF **THE PROFI II**

The PROFI II is the strong fusion between the luxury PROFI III and the simpler PROFI I tankers. The PROFI II is characterized by its robust construction with integrated chassis. The modular structure and the many options are also characteristic of this tanker, which can also be equipped with a shift axle. The PROFI II offers you the perfect solution for all possible circumstances, both for attaching a drag hose-applicator or injector in the three-point hitch.



MODULAR CONSTRUCTION

The modular construction of the tank makes it possible to add almost all options to the tank afterwards. This makes the PROFI II flexible and usable for any type of business without making concessions. The PROFI II series can be equipped with a vacuum pump (VC) and a rotary lobe pump (PTW). The tandem tanks up to 18 m³ are standard equipped with a roll-over buggy, and optionally equipped with hydraulic suspension.



POSSIBILITY OF A HEAVY THREE-POINT HITCH

The integrated chassis creates an unprecedentedly powerful basis for the PROFI II. This makes it possible to design the tank with a heavy three-point hitch (up to 2,500 kg). Thanks to the well-conceived mounting of the COMFORT hitch, the applicator pulls exclusively on the chassis. This ensures stability in the field. You can set the double-acting cylinders of the hitch to press, relieve or to act completely pressureless.



INTEGRATED CHASSIS

KAWECO strives to produce high-quality products with great reliability and optimum efficiency. With the PROFI II, this is particularly evident in the very well thought out construction of the tank, chassis and drawbar. This chassis is fully integrated in the tank, which results in a compact design.



LARGE OPTION RANGE

The PROFI II is characterized by the large range of options. For example, the shift axle, flow meter, stone catcher and liftable front axle are all available on the PROFI II. In this way, the PROFI II can be put together to meet every customer's wishes, while the integrated chassis still remains relatively light.





STANDARD EQUIPPED FOR **DELIVERING RESULTS**

SMART SLURRY PIPING

A large pump capacity is essential when driving slurry. A large slurry pump can make the difference, but the slurry piping is also of great importance. Thanks to the experience of KAWECO, the pump and the placement of the pump are central in the design. With the PROFII II, the pump is therefore mounted centrally under the tank and is mechanically driven. The slurry piping is as short as possible and contains few right-angled bends, so the pump can guarantee its maximum capacity at all times.

UNIQUE DRAWBAR

Narrow, stable and well-considered are the characteristics of the PROFII II drawbar. These are fully constructed to guarantee a maximum steering angle under all circumstances. Due to the unique construction method for the tankers with forced steering, the steering angle is not affected by the presence of a steering cylinder. The construction is also easy to adjust to all possible tire sizes, axle distances and tractor types.

MODULAR CONSTRUCTION

The modular construction of the PROFII II tank makes it possible to add almost all options to the tank afterwards. This makes the PROFII II flexible and usable for any type of business without making concessions. The PROFII II is suitable as a vacuum tank as well as a tank with automatic dosage control for slurry injection. The amount of options such as slurry arms, large-capacity trailing hoses, three-point hitch, stone catcher, wheel arches, etc. makes the PROFII II easily adaptable to every customer requirement.

EXACT SLURRY DOSAGE

You can precisely dose the slurry with the PROFII II PTW tankers. The optional BY-PASS system continuously adjusts the amount of slurry to the driving speed. This consists of a flow meter combined with electronically controlled hydraulic 8" gate valve. During the filling of the tank, the by-pass slide is fully opened to support the filling capacity. The three-way valve on the rear of the tank is switched while turning at the headland. While turning, the slurry is circulated. At the start of the next row, the injector immediately receives slurry again.

CONVENIENT KAWECO CONTROLS

The optional KAWECO premium control has many options. Starting with the simpler EASY-GO control system. Meaning that a tractor valve is easily usable for multiple functions by means of a distribution block. Load-sensing is also an option for the PROFII II tanker. The Load-sensing system is equipped with a well-arranged control box. The Load-sensing system can also be used with an ISO-BUS ready system. This standardly comes with a multifunctional joystick with 24 functions and a 5,7" Basic Terminal. You can also choose an 8" or 12" Touch Terminal (Müller Basic ISOBUS Terminal, options: touch 800 and 1200). With a Müller control screen, it is possible to control various functions via GPS. The KAWECO premium controls mean you can start and stop the complete loading or unloading cycle by a single push of the button.



THE KAWECO PROFII II VC DRIVES LIGHTLY AND SAVES FUEL!

"WE ARE ON PEAT SOIL HERE IN THE MIDDLE OF FRIESLAND. IN COMBINATION WITH WIDE TIRES OF 75 CM AND 30.5" IT ROLLS OVER THE FIELD BEAUTIFULLY"

Bram de Kam, contractor from Aldeboarn (NL)

VALUABLE OPTIONS

SHIFT-AXLE

KAWECO is characterized by its soil-friendly machines, preservation of the soil is of great importance for today's and tomorrow's farmers. The PROFI II is also available with an extendable front axle, which can hydraulically be shifted out 750 mm per side. Thanks to this option, the PROFI II with its light weight is a star in the field when it comes to soil-friendly fertilization. The smaller tandem axle tankers can also be fitted with a shift axle.

PUMPS

The PROFI II is available in both the PTW and VC version. The PTW is equipped as standard with a Vogelsang VX186-184Q 4.000 L pump with injection system. With the optional 2:1 transmission, the pump speed is adjusted for filling and applying. The slurry piping is equipped as standard with 8" pipes on the suction side and two 6" pipes on the discharge side. If you choose a pump with a large capacity, the pipework will inherently grow with it. The VC version is equipped with a BP Ballast 9.000 L pump as standard.

HYDRAULIC PENDULUM SUSPENSION

The options include the hydraulic pendulum suspension (standard for the 20/23 m3). The hydraulic suspension in combination with the integrated chassis ensures optimum stability and comfort both on the road and in the field. When equipped with a tandem, the steering axle is controlled as standard with hydraulic locking via the tractor valve. Other steering systems are optionally available.

MAXIFILLER

In order to make better use of the pump capacity, it is often attractive to install a maxifiller. This is a hydraulically driven impeller that presses the slurry into the suction pipe. This also improves the service life of the pump, because wear-sensitive parts are loaded less intensively. In combination with the maxi filler, the stone catcher with hydraulic drive is often supplied, to protect the pump and to ensure a continuous process during the application.

FILLING ARMS

A wide range of slurry arms can be built on the PROFI II series. There is a choice between standard suction arms and docking arms. In many cases the slurry arms are equipped with a maxifiller. There are also many options available for extra side connections. In this way, the PROFI II can be put together to suit every customer's wishes and can be used flexibly.

TIRE PRESSURE CONTROL SYSTEM

KAWECO has years of experience in soil-friendly fertilization and offers various soil-relieving options. For example, KAWECO offers possibilities for building up a tire pressure control system to prevent structural damage to the soil. In this way KAWECO offers optimum conditions for the customer to equip each machine as desired. The system is equipped as standard with a 2-pipe system with quick venting valves, including its own compressor for optimum capacity.

	PROFI II SINGLE AXLE	PROFI II TANDEM	PROFI II TRIDEM
NET. CONTENT	8.000l - 10.000l - 12.000l	8.000l up to 20.000l	23.000l
TARE WEIGHT	3.450kg - 3.800kg - 4150 kg	4.500kg - 7.400kg	7.400kg
DIMENSIONS	ø1.600 x 4.000mm - 1900 x 4.400mm	ø 1.800 x 4.000mm	ø 2.100 x 5.800mm
UNDERCARRIAGE	SINGLE AXLE RIGIDLY MOUNTED	ROLLOVER BUGGY	HYDRAULIC PENDULUM

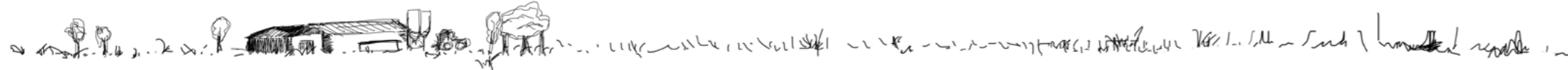
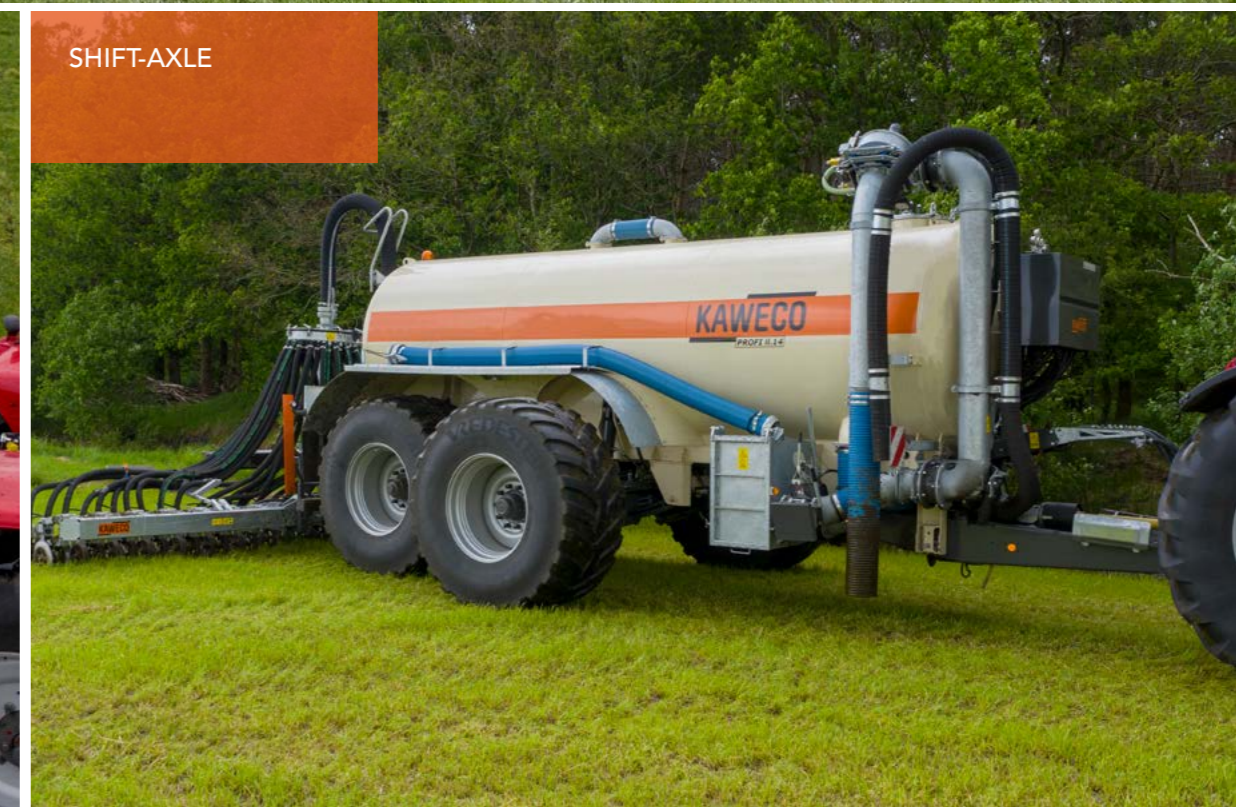
APPLICATOR



FILLING ARM



SHIFT-AXLE





CONTROL OPTIONS

EASY-GO

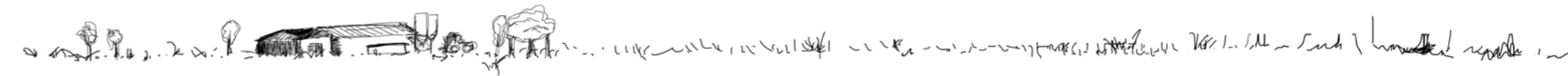
The easy go control box makes it possible to use a tractor valve for multiple options, using an electronic steered sequence. The easy-go block distributes the flow of oil from a tractor valve, making it usable for a variety of options. The control group an EASY-GO allows the operation of five functions of the tank via one tractor valve, all on a clear control box with electronic buttons. The system is characterized by a simple operation and is a sophisticated solution for the basic control of a slurry tanker and applicator. The EASY-GO offers more ease in the operation and makes for a pleasant ride. A hydraulic valve block can be fitted specially for working with a three-point hitch, which ensures that the ground pressure of the lift can be adjusted both positively and negatively. The system is characterized by simple operation and a well-considered solution for the basic controls of a tank, including options such as a suction arm and maxi fillers.

LOAD-SENSING

For optimal drivers comfort the tankers can be equipped with LS (Load Sensing). With this system there is constant pressure on the system, creating less load on the tractors hydraulic system. This results in less heat loss and therefore less fuel consumption. The ease of use is also increased with the KAWECO Load-Sensing control system, simple, effective and comfortable in one. The advantages of a LOAD-SENSING system are obvious. Minimal pumping around of the hydraulic oil when the system is not in use, unlimited number of hydraulic functions applicable, more complex sequential circuits can be easily implemented and the ability to operate multiple hydraulic functions simultaneously. The Load-Sensing control guarantees easy operation and low fuel consumption.

PREMIUM CONTROLS

The moment a KAWECO tank is carried out with an active dosage, the tank will have to be "self-thinking". This means that a computer is mounted on the tank that can actively respond to changing circumstances such as travel speed, slurry flow volume and working width. KAWECO offers a fully ISO-BUS certified system for this system under the name KAWECO premium operation. For the operation of the tank, the driver uses a joystick with 24 functions and a 5.7" Basic terminal with colour display. In this terminal all required settings can be changed and the buttons of the joystick can be adjusted to the driver's wishes. In addition to controlling the tank, it also collects computer data that is easy to transfer to the PC, which allows you to see exactly how much and how long has been driven per customer. Besides many standard solutions it is also possible to use the Müller for options such as GPS and section control. It is also possible to choose for a Touch screen terminal of 8" (See photo) or 11". Advantages of these terminals are mainly in the operability (Touch Screen) and the possibility of multiple view applications simultaneously (Cameras in combination with GPS and the tank control).



KAWECO PRECISION FARMING

KAWECO NIR-SENSOR

Site-specific fertilization and knowing what you spread on your fields became an important issue in modern day farming due to changes in legislation amongst others. In the future, even more attention will be given to precision farming and site-specific fertilization. That is why KAWECO is here to provide you with the right techniques to enable you to work in a sustainable way.

The weighing and sampling system currently used on transport tankers, only offers you information afterwards about what you spread. This information cannot be used directly during fertilization. Measures with the usage of a NIR-sensor can be the right solution to provide you with real-time data. KAWECO can help you make your business operations more sustainable through NIR-measurements.

By means of the KAWECO NIR-sensor, the KAWECO slurry tankers are able to fertilize according to the measured additives (according to the number of additives in the slurry, instead of the cubic meters of slurry). The KAWECO NIR-sensor is DLG approved for 4 of the 5 additives measurable.

What does the NIR-SENSOR measure?

When filling the tanker, the amounts of the following additives are measured:

- Dry matter
- Phosphorus
- Nitrogen
- Ammonium
- Potassium

WHAT DOES THE NIR-SENSOR OFFER YOU?

According to the measured value's, this sensor is able to calculate how much of all the additives are present in the slurry. Then you are able to choose if you want to apply according to the amount of slurry or according to the amount of a certain additive per acre. This enables you to work far more precise than with the current way of working. Differences in slurry-compositions are large, and one tanker full of slurry shouldn't be treated the same as the other.

Working with task-cards for site-specific fertilization is also amongst the options. The data from the NIR-sensor will be exported to the Müller computer on the tractor, which enables you to extract the data and tells you how much slurry you spread and how much of the additives you spread where.

GPS OPTIONS

By means of the Müller computer it is also possible to work with section-control and headland management, for optimal usage of the slurry without creating overlap. This is often done in combination with an on-board hydraulic system to be able to control the pumping capacity precisely and fast.

When working with section control, the applicator is being divided into different sections. GPS determines which sections must be opened or closed. Applying parts of the field two times becomes unnecessary. This way you can deliver even tidier work in the field with an optimal usage of the slurry.

The headland management function enables you to lift the applicator or stop spreading at the exact same moment every time you reach the headland, to create a neat job and leave the field looking perfect.

SAVING GPS DATA

All kinds of data and settings can be stored in the Müller Terminal for repeated use. Settings for different types of fertilizer can be saved. It is also possible to save data from, among other things, customers, different fields, completed m³ and processed surfaces. This data can be transferred to a computer via a USB stick or loaded into the online environment of Agrometius when using TRIMBLE.



M-U-T NIR SPEEDSPY ONBOARD

- ✓ Inhaltsstoffe in Rindergülle:
TM, N_{Gesamt}, NH₄-N, K₂O
- ✓ Inhaltsstoffe in Schweinegülle:
TM, N_{Gesamt}, K₂O
- ✓ Inhaltsstoffe in flüssigem Gärrest:
TM, N_{Gesamt}, NH₄-N, K₂O

DLG-Prüfbericht 6796



Composition 1 / 1

Phosphorus 2.11 kg/m³

Nitrogen 3.52 kg/m³

Ammonium 1.47 kg/m³

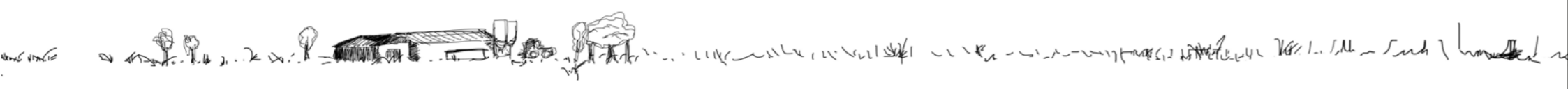
Potassium 1.73 kg/m³

Dry matter 0 %

18:01 **20.03.2019**

CONTROL PANEL

SECTIONCONTROL



MORE VALUE FOR YOUR FIELD



"Soil is the most valuable mean of production. Taking care of the fertile soil with a healthy structure and soil life is the basis for crop yield and quality. At KAWECO we cherish the soil, in the interest of the farmers of today and tomorrow."



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