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SAMSON TG

Samson

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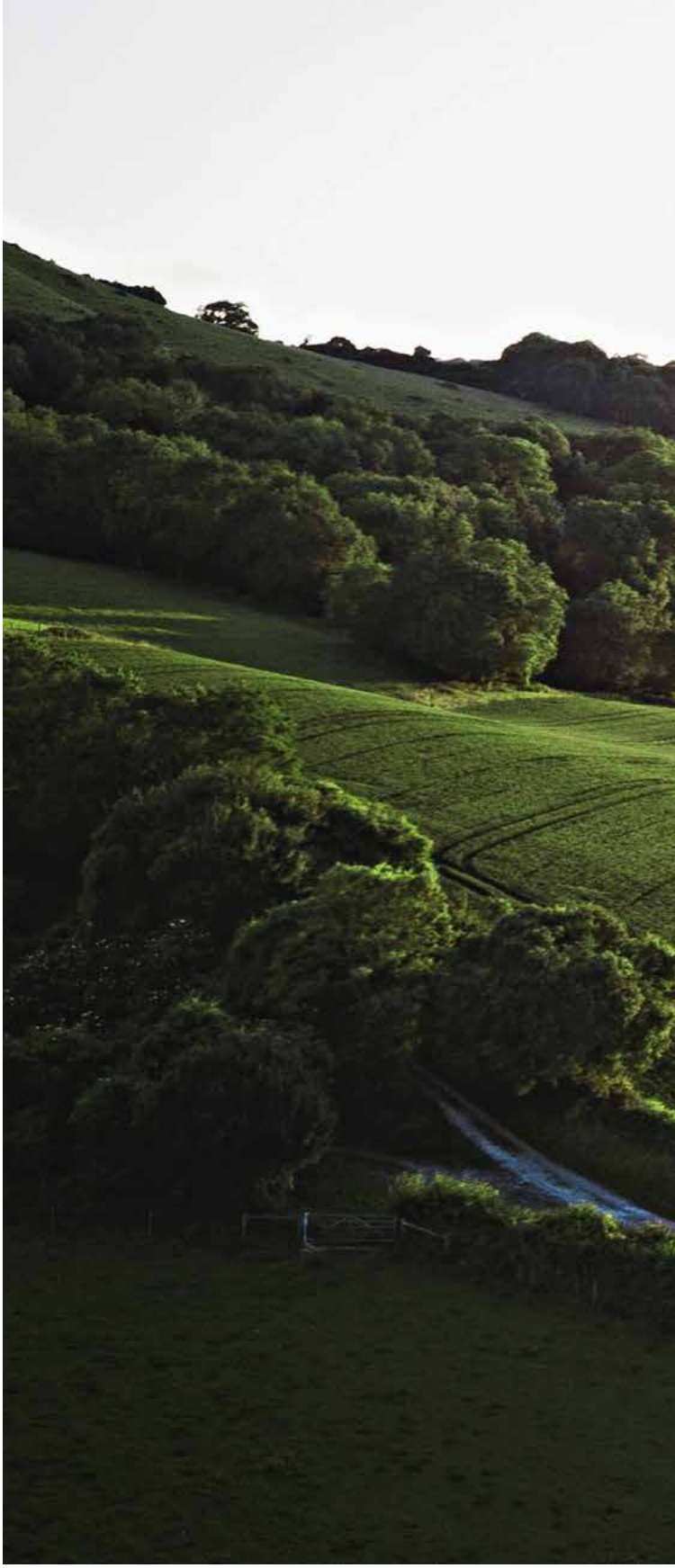


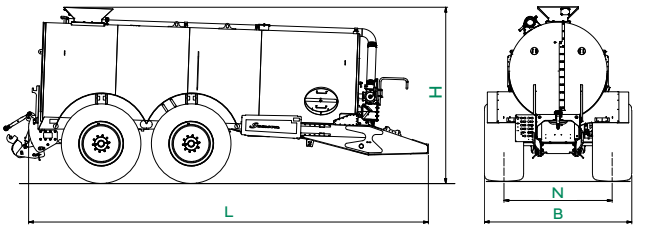
SAMSON TG

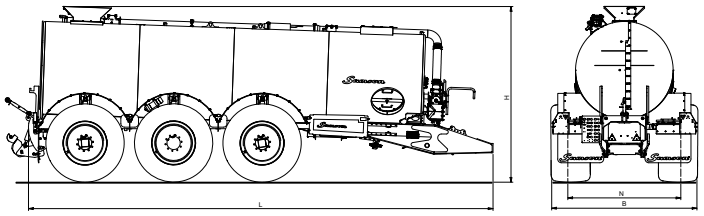
Quality, high performance and reliability are the hallmarks of the SAMSON TG series. The models in this series are designed for versatile use and efficient slurry application. The series cover both two- and three axled models in the SAMSON TG 15, TG 18, TG 20 & TG 24.

High performance
High reliability

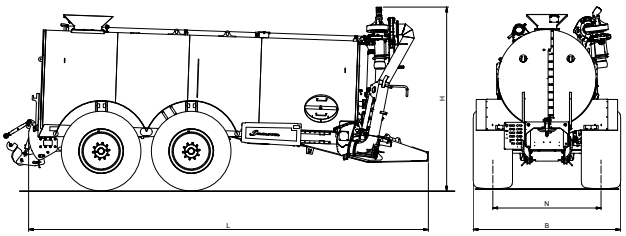
The development of SAMSON TG has focused on efficient and precise application combined with minimal maintenance and high reliability. The tanker can be combined with several of SAMSON AGRO's leading filling systems and application implements and is designed according to SAMSON's high quality standards. The built-in implement flexibility gives the tanker a wide range of applications and high functionality. SAMSON TG is being produced in 16.5, 18.2, 20.4 and 24.9 cubic metre versions.

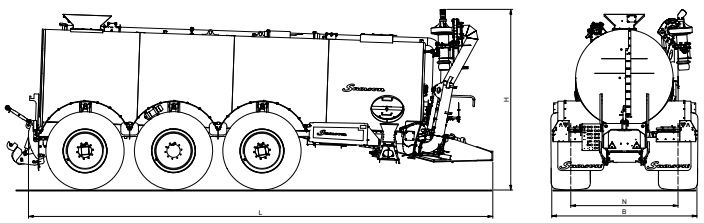
Basic models





Basic models - with SAP 2





Considered design

SAMSON TG has been developed with an eye for weight distribution, strength and comfort. The series features a hydraulic suspension system, large brakes and a self-straightening axles with hydraulic lock, makes the tanker both simple and flexible. Electronic wheel steering* and the positioning of the wheel axles provides optimal weight transfer to the tractor and contributes to the TG model's special manoeuvrability during both application and transport.

The tank is designed with sectional emptying as standard, which means that the rear part of the tank is emptied first. This results in greater weight transfer to tractor during application and minimises the risk of field damage caused by wheel slip. The inside of the tank is sand blasted, primed and epoxy treated, while the outside is sand blasted, primed and painted. The thorough surface treatment both internally and externally ensures maximum robustness even in aggressive environments and contributes to the tanker's long service life, ease of cleaning and ultimately lower maintenance costs.

* Optional

Versatile use
Operating comfort

The durable and functional design behind the SAMSON TG prepares it for versatile use. With a wide choice of options, you can configure your tanker exactly as you need. The universal cat. 3 linkage* means you can use a variety of different implements and booms from SAMSON range.

The outputs and control units are located at a user-accessible height and extra features* make your working life much easier, such as a water tank with soap dispenser to wash your hands, a tool box and visual instructions placed directly on the machine.

* Optional

More filling options

The SAMSON TG can be configured with a variety of different filling systems. Combined with SAMSON AGRO´s unique ejector system*, the following solutions can be selected for fast loading of the tank:

- Rear or front mounted external filling*
- The tanker's integrated filling coupling
- Hose with filling pump* mounted on the side of the tanker
- SAP 1* (Side-mounted single link filling arm)
- SAP 2* (Side-mounted double link filling arm)
- FAP and FAP2 * (Separate front-mounted pump unit suspended on the tractor's front hitch)

The versatility of the TG model filling systems means it is suitable for pumping different types of slurry from various types of reservoirs, including from low-lying or difficult to access slurry tanks or via suction connectors in biogas plants, for example.

* Optional

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TG 24

Filling systems for SAMSON TG

SAP 1* Single link side-mounted filling arm with integrated pump. Simple and fast filling of the slurry tanker from a low funnel.

SAP 2* Double link side-mounted filling arm with integrated pump. Universal filling arm with the option of filling from a low or high filling funnel with a coupling and from difficult to access slurry stores.

FAP and FAP2* Front filling system with integrated pump. The FAP system ensures simple and easy filling from a high filling funnel such as a truck or mobile reservoir.

Side-mounted filling pump* Side-mounted filling pump with manual slide valve and quick hose coupling.

Filling coupling with hydraulic slide valve* Integrated filling coupling provides fast access to filling directly via the SAMSON ejector*. Fitted with quick coupler for the hoses and hydraulic slide valve* with external control.

External filling Rear or front mounted wide filling funnel for external filling. The funnel can be opened via a hydraulic slide valve to allow external filling from a stationary or mobile pump unit.

* Optional

SAMSON Ejector
Fast and easy filling

SAMSON TG is ready for use with the SAMSON Ejector system*. A unique and patented ejector vacuum pump system that can pump even the most demanding liquids. The system has a performance of up to 6,000 litres per minute in water at a discharge height of 1 metre. The vacuum down to -0.9 bar is created only in the Ejector's pipe system and not the entire slurry tank. This keeps the slurry tanker's net weight to a minimum and ensures a fast vacuum response time, enabling filling to start quickly. The system contains no mechanical pump elements, which minimises maintenance costs.

SAMSON EJECTOR

The SAMSON Ejector system uses a small amount of slurry, retained in the reservoir at the front of the slurry tanker. The slurry in the reservoir helps to ensure good weight transfer to the tractor. If the ejector is not used, disconnect the reservoir so you can use the total volume of the slurry tanker during operation.

* Optional

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We aim to play a leading role in developing natural fertiliser machinery and technology for professional agriculture with consideration for people and the environment.

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Implement mounting Lifting force of 3.8 tonnes

SAMSON TG can be equipped with fixed implement brackets* or a cat. 3 three-point linkage*, which has the power and functionality to give you the freedom to vary the type of implement and to solve a variety of tasks. The linkage has a lifting capacity of up to 3.8 tonnes and a pressure force of 5 tonnes. It can be set to either double or single acting operation, which ensures that it can both lift and press and hold a stable working depth. A hydraulic push and pull output* close to the linkage makes it easy to mount and remove implements.

* Optional

Control systems for your SAMSON TG

The ISOBUS compatible SAMSON Section Control* (TC-SC) makes it possible to do automatic section control of implements based on GPS position.
The function secures that overlapping and overdosing of slurry is avoided in i.e wedges and that plants benefit fully of the nutrients in the slurry.

With the ISOBUS "Variable Rate Application"* functionality the user is able to apply natural fertilisers via an automated process in conjunction with an ISOBUS compatible GPS system.

An assessment of the optimal fertilisation strategy can be carried out easily using yield maps from previous years or by using the NDVI vegetation index, which is usually available via satellite or drone imagery. The result of this is an application map, which controls the application volume via the tractor's GPS system and the SAMSON control system.

SlurryMaster 5000 is a control unit with a 7" touch screen and multi-functional navigation wheel. The control unit allows the user to connect a flow meter and thus to use SAMSON's Auto Dosing system. The system is also designed for ease of use and machine functionality. SlurryMaster 5000 features SAMSON's familiar automation technology, providing extremely smart interaction between the ISOBUS capable tractor, control unit and slurry tanker.

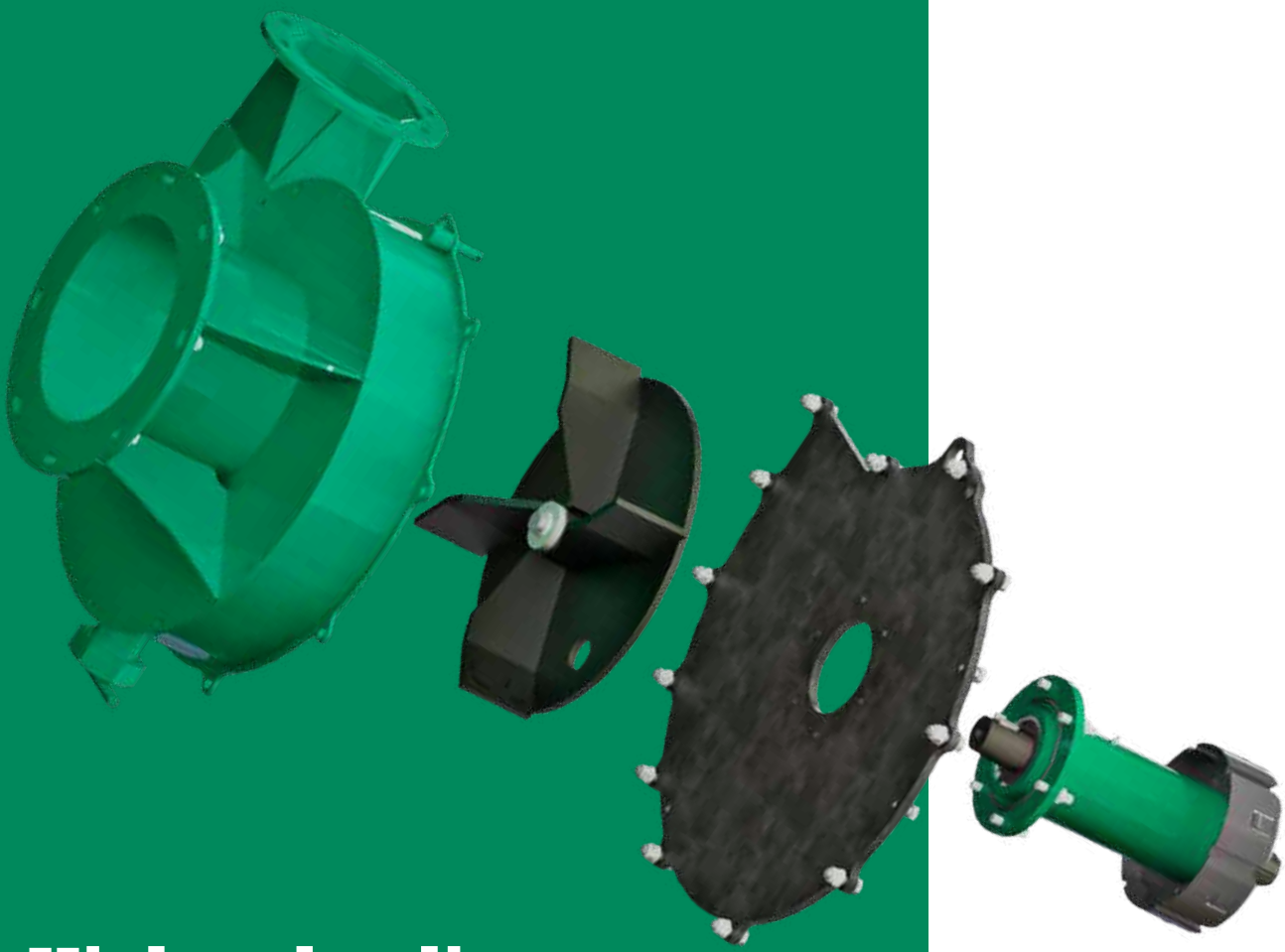
SlurryMaster 5000*

Joystick Alcantara*

- Optimum comfort
- Programmable buttons
- Simple configuration
- Access to main functions

* Optional

At SAMSON AGRO, great emphasis is placed on product development. The company has a large team of engineers who continuously develop and update the products in order to maintain our position as the leading specialist in natural fertiliser machinery and application technology.



High unloading capacity

SAMSON TG is supplied as standard with a specially developed SAMSON unloading pump with a performance of up to 10,000 litres per minute. The model can also be delivered with a pump* with a capacity of up to 15,500 litres per minute. Both solutions are designed to fully exploit SAMSON application technology, even at low engine speeds. SAMSON pumps are not vulnerable to foreign objects, including stone, steel and plastic, and the simple design and robustness of the pump help to reduce maintenance costs.

* Optional

Exact dosage
Even nutrient content

In order to ensure a homogeneous slurry, the SAMSON TG is equipped with a mixing function. The unloading pump pumps slurry into the three-way valve. Here the correct dosage for application is measured and the rest is pumped back into the tanker, ensuring a continuously stirring of the slurry. Thereby the slurry to be applied in the field has a constant content of nutrients and organic materials, resulting in the uniform fertilisation of crops.

When combined with SlurryMaster 5000, the SAMSON TG can be equipped with a flow meter*. The flow meter is completely maintenance free and has no mechanical moving parts. In the steering system, enter the required number of cubic metres of slurry to be applied per hectare. The amount of applied slurry is then regulated based on the flow meter readings. This provides a very exact slurry dosage, whether driving up or down hill.

* Optional

Useful extra functions

VISIBLE LIGHTING

The TG is equipped with LED lights, which are very reliable and require minimal maintenance. The working area is also illuminated via powerful high mounted LED working lights*, which increase safety and capacity even after nightfall.

AUTOMATIC TYRE PRESSURE REGULATION

The TG can be supplied with automatic tyre pressure regulation*, so the driver can set a desired tyre pressure when driving from one surface type to another. It can also be set according to the soil and crop type. This way you can reduce pressure and driving damage as much as possible.

CENTRALLY LOCATED LUBRICATION POINTS

The TG has centrally located lubrication points*, which simplifies daily servicing on a busy working day. In addition, TG can be equipped with automatic central lubrication*, where the equipment is lubricated with the right amount at the right intervals.

* Optional

SAMSON service and dealer network

When you choose a SAMSON product, you will benefit from our large and well-established network of dealers, who are available to provide excellent service and special knowledge of our machines and equipment.

SAMSON dealers are in close and continuous contact with SAMSON AGRO, who place great importance on individual SAMSON specialists achieving expert knowledge through the SAMSON ACADEMY training program. A smooth and efficient service concept also ensures that every customer is served professionally both before during and after a purchase.

SAMSON AGRO maintains a large stock of spare parts to ensure the fast and efficient maintenance and upgrade of all SAMSON machines and products.

Fertiliser based on natural nutrients

SAMSON AGRO produces slurry tankers, manure and universal spreaders with the aim of achieving maximum application efficiency and optimal usage of the nutrients in natural fertiliser. We supply a wide range of natural fertiliser machines, implements and application technology, where all elements in the fertiliser process are considered. Our goal is to meet the agricultural industry's demand for innovative, environmentally sound, high quality solutions for the application of natural fertilisers.

SAMSON GROUP

SAMSON GROUP comprises the companies SAMSON AGRO A/S, Samson Agrolize A/S, Samson Agrolozi AB, SAMSON AGRO SASU and SAMSON AGRO SP Z.o.o. The group owns the SAMSON and PICHON brands and is a leading European supplier of natural fertiliser machines and associated application technology. SAMSON GROUP has state-of-the-art production units in Denmark, France and Poland and sells its products through a well-established network of dealers.

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Technical data

Dimensions in m / tanker size		TG 15	TG 18	TG 20	TG 24
Length	L	8,60	8,60	8,60	10,21
Tanker diameter	ø	1,85	1,95	2,05	2,05
Height*	H	3,70			
Alliance 23.1-26 - Type 330 HD 16PR	B	2,92			
Nokian 800/50-R34 - Radial type ELS SB	B	2,98			
Hub gauge	N	2,15			
Net weight**	kg	8200	8400	8680	10000
Volume	m^3	16,5	18,2	20,4	24,9

* Max. height with filling funnel
** Net weight for basic tanker with only standard equipment

Dealer

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