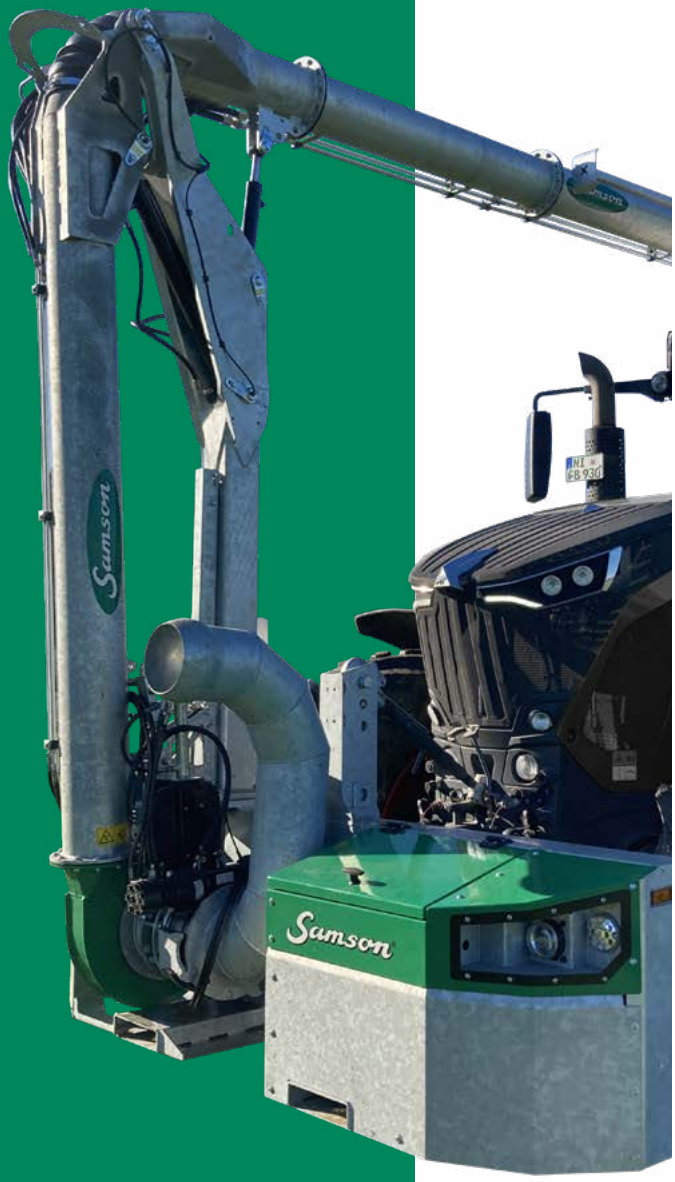


GROWING TOGETHER

SAMSON FAP



SAMSON FAP

The FAP filling system, mounted on the front of the tractor, simplifies the process of filling slurry tankers while in operation by enabling easy filling from transport trailers. It allows the slurry tanker and implement to remain in working mode during filling, thereby minimising soil and crop damage in the field as the transport trailer can stay on the road during this process. The FAP2 model also excels in filling from ground placed cones.



Safety in design

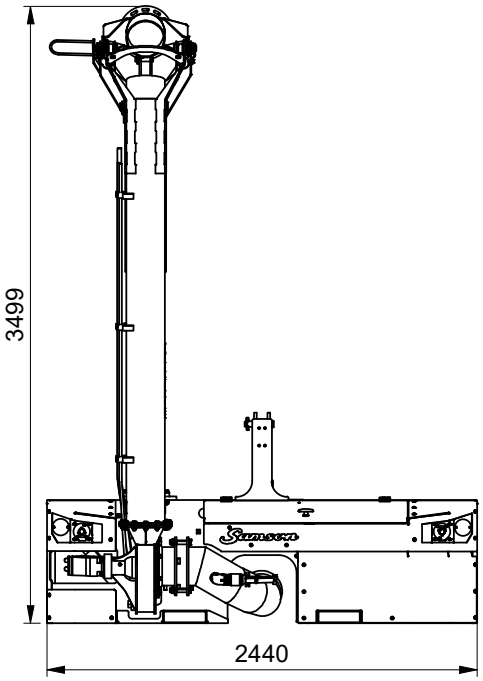
The FAP system has been designed with driver comfort and safety in mind. The compact design makes the system highly manoeuvrable. The fill arm is mounted on the right hand side to ensure that the driver has maximum visibility.

The system features well-protected, optimal lighting, optional integrated mirrors and a camera system for enhanced visibility. A stable net weight of 980 kg with the option to add weight plates under the base optimises weight distribution of the tractor.

Universal and efficient system
The pumping of the FAP starts using either tractor hydraulic or the vacuum from the SAMSON Ejector system. Operation of the FAP is not limited to SAMSON models. It enables broader application across different brands and types of tankers.

The system features a hydraulic-driven centrifugal filling pump with a capacity of up to 9,000 L/min. The pump offers low wear, resistance to foreign objects, and high efficiency. It includes a 3-wing pump wheel with an inlet screw and a changeable cutting plate, designed to cut and mix long straw, resulting in a more homogeneous slurry.

FAP / FAP2 measures




PG II
Genesis
Samson
PG II 31 HPD




Samson

Filling functionality
Versatile use

The FAP boasts a flexible arm with a high reach, designed for easy docking in various positions. This feature greatly increases flexibility, allowing for versatile operation and ease of use.

The 8" or 10" Bauer filling coupling is located in the direct center line of the driver in the tractor. This design simplifies the docking process, providing high comfort for the operator and saving valuable time.

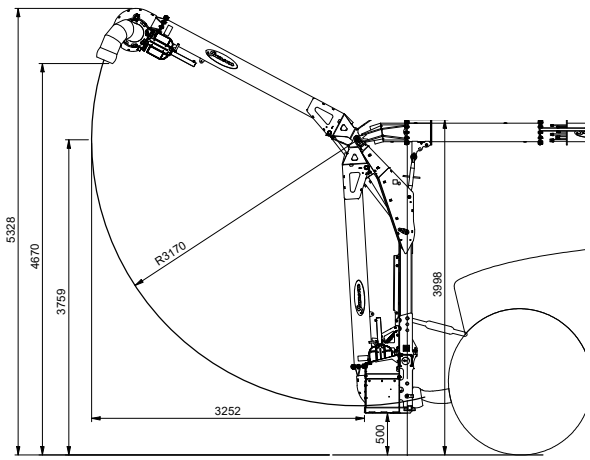
Integrated cameras and a screen in the tractor cabin afford the operator perfect overviews while docking. As an additional option a third camera mounted on a magnet food, can be placed by the operator in the ideal position on the FAP base bumper. This gives an an even better view of the docking on especially a ground placed cone.

Operation via SlurryMaster 8000 provides maximum comfort. A series of automatic functions protects the system against incorrect use and simplifies operation for the driver. The centrifugal pump stops automatically when the tanker is full and the slide valve below the pump closes.

A smart timer function can be activated so the arm lowers automatically into the transport position.

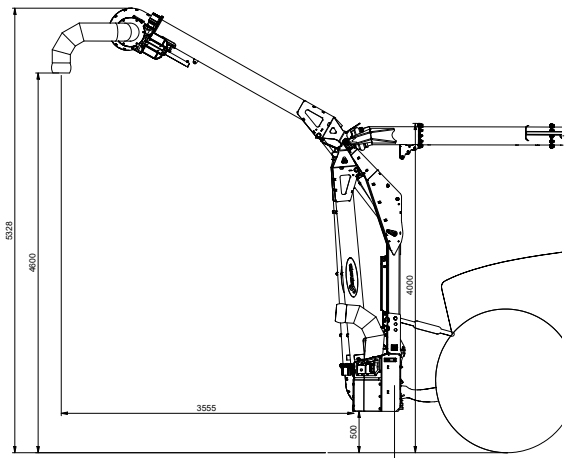
FAP

FAP is designed for loading from trucks and transport trailers with cones positioned at the top.



FAP2

Due to its additional articulation, the FAP2 model also allows for filling from ground placed cones down to half a meter.



Good details for your SAMSON FAP



DRIVER COMFORT AND GPS PRECISION

The FAP system has been designed with driver comfort and safety in mind. The compact design reduces the total length on the machine, making it easy to manoeuvre and increases safety on the road. The fill arm is mounted on the right side to ensure that the driver has perfect overview and maximum visibility of incoming traffic. The pipe is also strategically positioned on the right side above the cab, ensuring that the tractor's GPS can remain in its original position. This position results in minimal interruption of GPS signals, maintaining consistent and reliable navigation for the tractor's operations.



REDUCED WEAR

The SAMSON hose swivel is designed to significantly improve sharp turn capability, which not only enhances manoeuvrability but also substantially reduces hose wear between the slurry tanker and FAP. This makes the FAP an ideal choice for operations that involve applying slurry with injectors and incorporators, ensuring both efficiency and longevity of the equipment. The swivel above the turning point of the drawbar, provides long lifetime on the hose, allows full steering angle, no trouble of going up/down hill and easy to mount/dismount.



EASY CONNECTION AND DISCONNECTION

The FAP design allows for mounting and dismounting to be performed as a one-man operation, saving time and increasing flexibility. The entire process taking less than a quarter of an hour. Additionally, there is no need for lifting gear when mounting or dismounting the FAP, further simplifying the process The FAP is designed with integrated supporting legs and a locking device for the arm, ensuring optimal stability and making it easy to park.



TOOLBOX

The fully integrated toolbox provides fast access to tools and other accessories thus ensuring effortless maintenance and operation. All relevant material, user manuals etc. are stored in the toolbox. The toolbox is easy to access through a big cover held securely by a manual handle and open comfortably by a gas cylinder. The hydraulic hand pump for lifting the pipe while connecting/ disconneting the FAP is also placed and well protected in the toolbox.



OPTIMAL WEIGHT DISTRIBUTION

The FAP is designed with optimal weight distribution in mind, featuring a basic weight of 980kg and the capability to add on weight plates up to 1500kg. This configuration ensures that the tractor maintains an optimal weight balance for improved performance and stability during operation The FAP also offers an option for a side weight, which helps reduce the effects of side tilt, particularly on tractors with individual floating front linkage arms. This addition applies extra weight to the tractor's front axle, with the side weight being approximately 45 kg, enhancing stability and balance.



HIGH VISIBILITY

The system includes fully integrated Hella lights that transform night into day, providing perfect visibility for high safety during nocturnal operations. The integrated lights are well protected and provide optimal lighting.The FAP also features integrated mirrors and cameras that afford the driver a perfect overview, significantly increasing safety by enhancing visibility around the vehicle.

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 receives professional service 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.




ASCO





FERTILISER BASED ON NATURAL NUTRIENTS

SAMSON AGRO produces slurry tankers, muck spreaders and universal spreaders with the aim of achieving maximum application efficiency and optimal use of the nutrients in natural fertiliser. We supply a wide range of application 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.

Technical data

	FAP	FAP2
Docking height	2500-4790 mm	500-4790 mm
Maximum range	3260 mm	3550 mm
Net weight*	980 kg	1,100 kg
Fill capacity**	9,000 L/min	9,000 L/min
Oil flow to fill pump	min. 115 L/min	min. 115 L/min
Lift cat.	2 & 3 N	2 & 3 N

*Basic machine weight
**Measured in water

Dealer