



On-board sprayers
PF & AUTONOMOUS KIT



PF 1000 | 1500

DESIGNED AS A TRUE SPRAYER

The PF on-board sprayer is not just a simple front-mounted tank; it is a complete and independent sprayer. The machine is equipped with a main tank, a rinsing tank and a hand-wash tank. The circuit on this sprayer includes incorporation, mixing and rinsing functionalities.



Tanks with centralised filling

The clever assembly of the three PF tanks not only provides a compact outline but also centralises the filling of the tanks and makes it accessible from the front of the sprayer. In the resupply version (PF SELECT), the main tank and the rinsing tank can be combined to reach an available volume of 1,350 litres or 1,850 litres. The sprayer also features two storage compartments at the front.



Functional finish

The PF sprayer has a compact design, giving the operator excellent visibility of the front of the tractor. The needle gauge, easily visible from the cab, indicates the volume.



A built-in pump

The electric drive pump (22L/min) ensures proper mixing of the solution and rinsing of the main tank at the end of spraying operations. Two other models of hydraulic drive pumps are also available and can increase the flow rate to 75 or 125 L/min. The sprayer can be filled independently and paired with an autonomous spraying kit.

SIMPLE, BOTH INSIDE AND OUTSIDE

Sprayer set-up is a key step in the spraying operation. With two main valves, the total number of filling and rinsing operations is considerably reduced, and so is the risk of error! A simple set-up also means a shorter circuit for less dead volume, which makes the rinsing stages easier.



1 Discharge valve

2 Suction valve



MANUSET

With the MANUSET manual set-up system, you're in total control when preparing the spray solution! The intuitive controls are centralised on the left-hand side of the sprayer.



DILUSET+

With the DILUSET+ set-up system, the two main control valves are motorised. Agitation and rinsing are controlled directly from the cab. There is a dual control at the set-up system to control the suction valve from the PF sprayer.

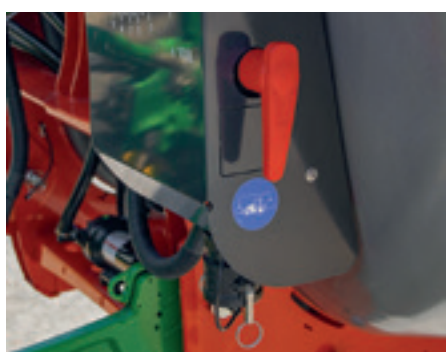


Incorporation sieve

For incorporating crop protection products into the PF sprayer, the incorporation sieve is built into the manhole, for easy incorporation of liquids and powders. The sieve also includes a container rinser.

CLEAN WATER? ONE PRODUCT? TWO PRODUCTS? YOU DECIDE!

The combination of the PF front-mounted sprayer unit and DELTIS 2 or ALTIS 2 sprayer unit at the rear offers several options: a single total volume or 2 capacities with 2 different products. With the PF SELECT version, the PF sprayer can also be used to supply clean water or liquid nitrogen.



Just one line, that's all!

The two sprayers (rear and PF) are connected by a single line which can be used for filling, transferring the spray solution and draining residues after rinsing. Thanks to CAM-LOCK fittings, the connections are quick and easy.

Easy filling

The main tank can be filled in two ways: through the rear sprayer, which allows for precise control of the filling volume and uses the induction system to mix and transfer the spray solution to the front, or through the PF sprayer pump, using the incorporation sieve.

Tank management

During spraying operations, no additional control box is needed to manage the tanks. Simply press the rear sprayer terminal, and the pump will switch the suction from the rear tank to the front tank. This makes draining the tanks and balancing the load on the tractor effortless.

AUTONOMOUS KIT

YOU CAN ASK IT TO DO EVEN MORE!

The PF sprayers equipped with a pump are set up to accommodate an autonomous kit as a standard option. The kit is mounted on the rear tool and can spray or fertilise up to 20 rows. The solution can be applied on the rows or in between rows.



Save time, fuel and product

Carry out two operations in a single pass with localised fertilisation or spraying. What's more, you can use row application or band application to reduce the dose of product applied.

Electronic regulation system

The RPB unit is easy to install in the cab, thanks to its compact design. It adjusts the amount of liquid applied based on the tractor's ground speed. It constantly displays key information on the screen, such as application rate, pressure and speed.

NUMEROUS ACCESSORIES



Step at the front

A retractable step can be installed on the front of the PF for easy access to the main tank manhole.



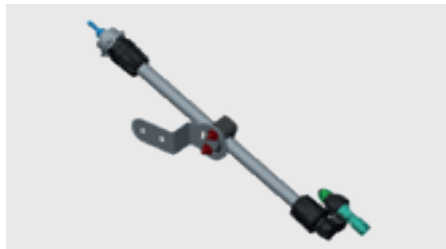
LED work lights

You can work at night to make the most of optimum spraying conditions (low temperature and high hygrometry). The PF sprayer can be fitted with 4 LED headlights for excellent forward visibility.



Convenient wheels

To easily manoeuvre the PF sprayer when unhitched, four parking wheels can be fitted underneath, allowing for effortless movement.



Spray Nozzles

Spray nozzles are to be installed on a rear-mounted tool for localised application in combination with the autonomous kit.



Fertiliser nozzles

Fertiliser nozzles are to be installed on a rear-mounted tool for localised application in combination with the autonomous kit.



KUHN PARTS



Designed and manufactured to rival time. KUHN foundries and forge as well as a high-level manufacturing process allow the production of spare parts to defy time. You can truly rely on our know-how and our genuine parts. Farmers benefit from our client support and logistics services via any KUHN PARTS warehouse, which provide quick and reliable repair solutions in cooperation with your nearest authorized KUHN dealer.

Technical specifications

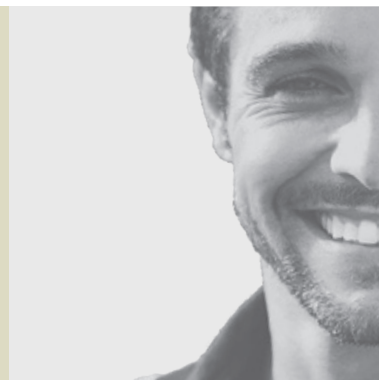
	PF	PF SELECT
Tank capacity (L)	1 000 / 1 500	
Actual capacity (L)	1 160 / 1 660	
Tank material	Polyethylene	
Rinsing tank capacity (L)	190	
Tank rotary washers	2	-
Set-up system	MANUSET or DILUSET+	
Pumps	12V or PM75 / PM125 piston diaphragm	-
Pump flow rate (l/min)	22 (electric) or 75 / 125 (hydraulic)	-
Max. pressure (bar)	2.5 (electric) - 7 (hydraulic)	-
Filtration	Dual: filling and suction	Single: filling
Height (m)	1.25 - 1.73	
Length (m)	1.30	
Overall width (m)	2.40	
Unladen weight (kg)	300 - 460	

Technical specifications may differ depending on the configuration and settings of the machine.

	AUTONOMOUS KIT
Regulator (unit)	Ground speed related electronic regulation (RPB)
Distribution type	Motorised valve
Pressure gauge	LARGE-SIZE GRADUATION
Filtration	Single: spraying
Feed system	1 standard outlet (Ø 25 mm) - 2 to 20 outlets (Ø 8 mm)
Nozzles	Spray or fertiliser nozzles

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