

Front-end sprayers

PF - AUTONOMOUS KIT

Product Information



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Front-end sprayers are not simply front tanks; their design is based on boom sprayers and makes them autonomous and independent. PF combined with Deltis or Altis 2 rear sprayer increase autonomy up to 100%. It is also predisposed to be combined with an autonomous fertilization or spraying kit for a localized application on a rear implement.



Front end sprayer - PF

WELCOME TO THE BIG LEAGUE

The combination of ALTIS 2 and PF sprayers offers a capacity of 2500 to 3500 litres which, with the performance of today's tractors, makes it a cheaper solution than a self-propelled sprayer with the same capacity.

PF front-end sprayers, with a capacity of 1000 to 1500 litres, provide optimal weight distribution on the tractor to maintain excellent stability, even when tilting.



MUCH MORE THAN A SIMPLE FRONT TANK



Front-end sprayers are not simply front tanks; their design is based on boom sprayers and makes them autonomous and independent. The circuits of these sprayers integrate functions such as product incorporation, mixing and rinsing.

Electric or hydraulic drive motors of up to 125 L/min are used to supply the circuits, setting up areas are available in either manual (MANUSET) or motorised version (DILUSET).



CLEAR WATER? 1 PRODUCT? 2 PRODUCTS? IT'S POSSIBLE!



Both sprayers offer several strategies, a large capacity of up to 3500 litres with a single product or two separate capacities for 2 different products. The PF can also simply be used as a clear water feeder (PF S version).

ALL IN ONE: A SINGLE PIPE FOR INCREASED SIMPLICITY!

ALTIS 2 and PF sprayers are only connected by a single pipe. Quick-connections make coupling easy and quick. No additional units are required for spraying. You just choose which tank you wish to work with by clicking on the compulsory unit in the cab.



FUNCTIONAL & ERGONOMIC DESIGN

PF sprayers adopt a compact shape to provide users with excellent visibility over the front of the tractor. The needle gauge is easily visible from the cab and indicates the volume at the front. LED front and side lights are available as a supplement to the signaling lights for night spraying. (It is prohibited to install road lights on a front-end tool.)

AUTONOMOUS KIT, YOU CAN REQUEST MORE FROM IT !



VERSATILE IMPLEMENT

PF sprayers equipped with a PM pump are predisposed to receive an autonomous kit as standard, it is easily positioned on a rear tool.

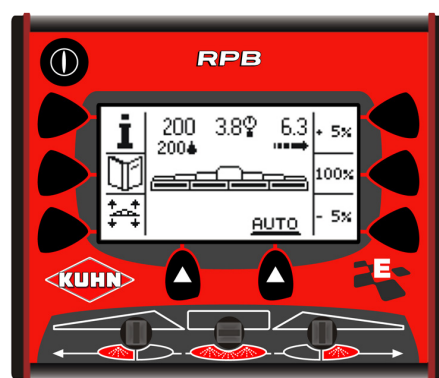
Time to change from PF-Sprayer combination to the PF-Tool combination is reduced with the CAM-LOCK quick couplings.

Whatever the rear tool, the kit allows to spray or fertilize on a number of outputs (rows) defined from 1 to 24.



TIME, FUEL AND PRODUCT SAVING

Fertilization or localized spraying allows to do two jobs in a single pass. In addition, the application on the row or on the worked strip makes it possible to avoid total coverage and consequently reduce the applied rate by up to 70%.



RPB REGULATION, COMPACT, SIMPLE AND EFFICIENT

The RPB electronic unit automatically adapts the quantity of spraying product to the speed of the tractor (DPAE regulation). Only important information is displayed on the working screen (Dose/Ha, Pressure and Speed).

Nozzle selection on spraying and localized fertilization

Calculation to do to determine the nozzle required in the case of work on the row:

$$Q = \frac{R \times S \times W}{600}$$

Q in l/min : flow needed at the nozzle on each spraying kit

R in l/Ha : Real rate needed

S in Km/h : forward speed

W en m : space between each row

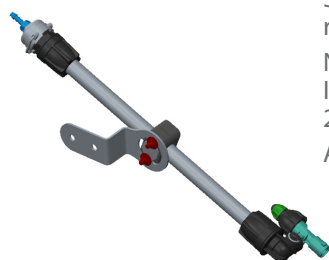
Caution if localized application, the actual dose per hectare should be calculated on the sprayed width and not the total width of the tool.

SPRAYING KIT

Spraying kit to be installed on a rear tool for localized application.

Nozzle recommended: TP-E 40 ° ISO allowing to work on bands of 20 to 50 cm

Available from 01 to 15 flow



FERTILIZATION KIT

Fertilization kit to be installed on a rear tool allowing a very localized application.

Nozzle recommended: ATR for working on the diffuser area only.

Available from 0.18 to 2.5 l / min



Technical features

	PF	
Tank capacity(l)	1000 (S)	1500 (S)
Real capacity (l)	1160	1660
Rinsing tank (l)	190	
Pump typ	12V-22l/min - (PM75 - 125 in option) - no pump on PF Select	
Induction hopper with can rinser (l)	Stainless steel basket with bottle rinser optional (excl. PF S)	
Rinsing nozzles	2 - as standard (excl. PF S)	
Pannel valve	Manuset - Diluset (excl. PF S)	
Dimensions	PF 1000	PF 1500
Height (m)	1,25	1,51
Lenght (m)	1,31	
Width (m)	2,40	
Weight (kg)	330 PF S : 305	400 PF S : 340

AUTONOMOUS KIT

Régulation (compulsory)	DPAE - RPB
Transfert hoses from the PF	Pressure (10m) + return (10m)
Manometer	As standard - with enlarged scale
Filters	Pressure filter
Distribution	With motorised valve - from 1 to 24 outlets
Spraying	Spraying or fertilizing (without nozzle and cap as standard)
Speed sensor	Inductive speed sensor (GPS speed sensor or ISO cable as option)

KUHN BLANCHARD SAS
24 rue de Nantes - 44680 CHÉMÉRÉ - FRANCE
KUHN NORTH AMERICA, INC.
1501 West Seventh Avenue - P.O BOX 0167 - Brodhead, WI 53520 - USA
KUHN FARM MACHINERY PTY. LTD
313-325 Foleys Road - Deer Park, VIC, 3023 - AUSTRALIA
KUHN FARM MACHINERY (U.K.) LTD
Stafford Park 7 - GB TELFORD/ SHROPS TF3 3BQ



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