

APV PRICE BOOK 2026

Version: 1.2 EN US



AMBITION. PASSION. VISION.



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COMPANY DETAILS

APV Technische Produkte GmbH

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DELIVERY AND PAYMENT TERMS

With the publication of this price list, all previous price lists and price quotations lose their validity. The prices are net prices excluding sales tax. All prices are in US Dollars; non-binding, and less freight from the U.S. based APV distribution center. Freight and fees from the U.S. based distribution center to the final destination will be invoiced at the actual rate.

TERMS & CONDITIONS

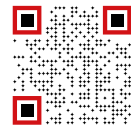
We sell and collaborate exclusively in accordance with the APV T&C (Terms & Conditions) as amended. The complete version can be found online at <https://en.apv.at/general-terms-and-conditions>. The respective specified weights comprise the implement including the parts specified in the standard scope of delivery, however, the packaging is not included.

Our technicians are continuously working on improving our implements. For this reason, we reserve the right to make changes and improvements as we deem necessary. This is not associated with an obligation to extend these improvements on previously delivered implements. All technical specifications and figures are non-binding, we reserve the right to make modifications to the design.

RESTOCKING FEE

Please note that the products ordered cannot be exchanged or returned. In exceptional cases you will need written authorisation from APV. If an exchange or return is authorised, a fee of at least 165,- will be charged, which may be significantly higher in the case of complex conversions.

This fee covers the costs of processing and returning the items to our warehouse, including quality control, functional testing, checking for transport damage and checking for missing parts.



WARRANTY ACTIVATION

Since 01/01/2021, the mandatory warranty activation must be performed for APV.

Every APV implement – from the Disc Spreader to the Tined Weeder – must be registered shortly after delivery. The registration activates the claim for warranty services and APV can guarantee the best service. You as our sales partner ensure seamless acquisition of the data and activation of the warranty. In this way, we can also meet the increasing customer demands together. The fastest and easiest way to do this is online at <https://www.apv.at/service/garantie>.

WARRANTY POLICY

The warranty policy defined by APV is applicable. Warranty claims will only be recognised after prior consultation with our Customer Service department.

TECHNICAL PROVISIONS

For the operation of all APV implements, the users themselves are responsible for complying with the road traffic regulations applicable in their country. APV does not assume liability for the assembly and mounting of the spreaders or seeders.

SALE ON APPROVAL

The field test provides an opportunity to test the sold implement on the purchaser's farmland. The prerequisites are a signed, legally binding, written purchase contract and approval from APV for the field test. The field test must begin immediately after commencement of the possible operating period. The test may not last more than 1 day and must include only a portion of the work to be performed. The field test must be performed in the presence of an APV factory representative. If the implement functions in a satisfactory manner, it shall be deemed as accepted and the terms and conditions agreed in the purchase contract shall apply. The purchaser has the right to not accept the implement, if proof can be provided that the implement did not perform satisfactory work during operation. In this case, the implement must be immediately shut down in a clean condition for return transport. The field test is always free of charge. Costs for the field test are incurred if the customer withdraws from the purchase. In this case, the return freight (defined by the APV order center) and 3% of the machine's list price must be paid to compensate for the loss in value.

ITEM NO.	SERVICE
00300-3-068	Sale on approval

STATEMENT FROM JÜRGEN SCHÖLS

FOUNDER & OWNER

Jürgen Schöls is an agriculturalist at heart. In 1997, the passionate farmer and inventor built his first machine, a spreader. Ever since, he has been developing agricultural equipment "for professionals, by professionals". Jürgen Schöls, himself a Demetercertified farmer, develops each implement in a fruitful exchange with users, before it is professionally refined by the design department.

As an innovative company, APV wants to play an important role on the market. Together with customers, APV is continuously refining its products.

The APV team's drive for success remains unbroken, which is why the company is present on the international market today. There are APV locations and sales subsidiaries in Poland, Romania, Germany, Turkey, Brazil and the US. Our network of APV contract partners in more than 50 countries ensures that our customers enjoy the highest level of service competence.



NEW PRODUCTS

In the following we would like to inform you about the new products in this price book.



APV SCAN FAN – THE SMART COMMUNICATION CHANNEL

Using serial number-specific QR codes directly on the machine, the customer can access the web app by scanning - with digital operating instructions, video tutorials, spare parts catalogue and service information.

Thanks to the bidirectional connection, information can be exchanged in a targeted manner - from product tips to feedback. This allows us to stay in reliable contact, even after the sale.



PS 1100

The PS 1100 is a Pneumatic Seeder that can be used for different jobs. It has been specially designed for the application of seeds during soil cultivation. With its large 38.8 cu ft / 31.2 U.S.bsh. (1,100 litres) steel tank, the PS 1100 offers high area coverage without constant refilling.

→ Find out more: see pages 30-31



SMART TWIN – SECTION CONTROL SEEDER

The SMART TWIN is available in sizes from 4.2 cu ft / 3.4 U.S.bsh. to 17.7 cu ft / 14 U.S.bsh (120 to 500 litres) and is ideal for spreading seeds, fertilizer and microgranules. Thanks to its split seeding shaft, it enables highly precise metering and half-side shut-off, allowing for flexible and efficient area coverage. The SMART TWIN is only available in combination with ISOBUS control and supports both Section Control and Variable Rate Control.

→ Find out more: see pages 48-49



PS 500 D TWIN

Thanks to its corrosion-resistant design and complete sealing, the PS 500 D TWIN is ideally equipped for even the most demanding applications. The split seeding shaft guarantees precise metering, while the separated hopper (optionally in a 70:30 or 50:50 ratio) enables flexible utilisation of different components - without any mixing. The system can be controlled either via ISOBUS or the powerful Control Box 5.7. This gives you full control and maximum precision when seeding.

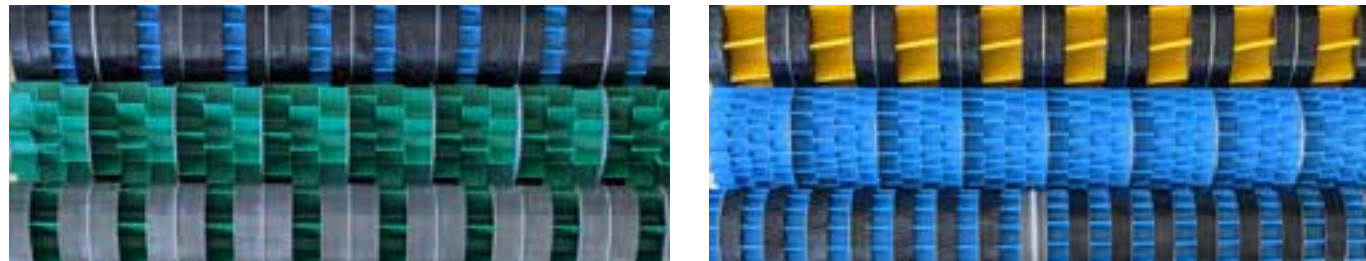
→ Find out more: see pages 50-51



MT2 FERTILIZER VERSION

The MT2 Implement Carrier, which can be mounted at the front or rear and enables the flexible use of our Pneumatic Seeders, as they do not have to be mounted on the attachments. The MT2 is now also available in a corrosion-resistant fertilizer version. This means that seeds and fertilizer can be applied with different soil tillage implements without the need for conversion work.

→ Find out more: see page 78



SEEDING SHAFTS: NEW DESIGN

Our portfolio of seeding shafts for your seeder has been adapted and expanded for existing and new machines. For better differentiation, the seeding shafts are now available with coloured seeding wheels. A seeding shaft configurator is available on our website to help you find the right seeding shaft quickly and easily.



→ Find out more: see page 58



CONTROL BOX 1.2 IN COMBINATION WITH HOIST SENSORS (WITH ELECTRIC FAN)

The tried-and-tested Control Box 1.2 has been extended to include the option of analysing the signal from a linkage sensor to start and stop the seeding shaft in the PS. A new operating mode has been created for this purpose.

→ Find out more: see page 64



PROFICONTROL

The ProfiControl control box is the ISOBUS stand-alone solution that combines precision and convenience. Thanks to the option of integrating external sensors, it remains flexible in use. Its slim, modern design maximises space in the cab, and the intuitive, user-friendly interface brings together all functions on one screen. Intuitive menu navigation allows you to maintain an overview at all times — clearly, simply and efficiently.

→ Find out more: see page 68



FRONT FRAME

The new Front Frame is the ideal addition for all Pneumatic Seeders from PS 120 to PS 800 and can hold up to 1,323 lbs (600 kg) of additional weights, ensuring optimum balance and even greater stability in the field.

→ Find out more: see page 79



GK 300 S – GRASSLAND COMBI WITH SLIT SEEDING

The brand new GK 300 S takes grassland reseeding and seeding to a whole new level! The tried-and-tested combination of levelling bar, harrow tines and roller has been enhanced with the addition of slit seeding elements. Slit seeding ensures the seeds are placed optimally in slits 0.4-1.18 inch (1-3 cm) deep. In addition, up to 2 seeders can be mounted, allowing different seeds to be sown in broadcast seeding and slit seeding, for example.

→ Find out more: see pages 92-93



SMART OPERATION: THE NEW ISOBUS WEEDER

We are expanding the successful Tined Weeder Pro series with three new working widths: 44.6 ft, 49.9 ft and 53.5 ft (13.6 m, 15.2 m and 16.3 m). The new models are ISOBUS and load-sensing controlled. They also feature Section Control and Rate Control functions. These enable precise, section-specific cultivation and optimum adjustment of the labour intensity according to the soil map. Maximum operating comfort, precise control and maximum area output - ideal for powerful farms, machine groups and contractors.

→ Find out more: see page 122

SMALL SEED SPREADER KS

KS 40

ADVANTAGES

- Precise application of grass seed, cover crops and slug pellets
- High-quality Control Box (speed (rpm) measurement and control, monitoring)
- Automatic start for firmly tapped spreading material
- Easy adjustment of the working width from the driver's seat
- Versatile mounting options
- Practical and compact spreader

TECHNICAL DATA

	KS 40
Working width	3 - 40 ft (1-12m)
Dimensions in inches (H x W x D)	24 x 18 x 24 (60x45x60cm)
Seed hopper (plastic)	1.4 cu ft / 1 U.S.bsh. (40l)
Net weight	42 lbs (19 kg)
Power data	12 V / 25 A

STANDARD SCOPE OF DELIVERY

- Electric Control Box 2.10 with mounting bracket for installation in the driver's cab
- Complete spreader with electrically driven spreading disc and adjustable throwing vanes
- 1 deflector
- Top link mounting and counter plate
- 10 ft (3m) cable for the power supply from the battery to the Control Box, 20 ft (6m) cable from the spreader to the Control Box



ITEM NO.	SMALL SEED SPREADER		
01001-1-001	KS 40		\$ 1,685.00

ITEM NO.	ACCESSORIES		
00300-2-107	Bracket for towing hitch		\$ 525.00
00300-1-001	Tail-gate mounting bracket		\$ 479.00
00300-2-022	Height-adjustable quad (ATV) bracket		\$ 732.00
00300-2-135	Quad (ATV) bracket		\$ 546.00
00410-2-190	ES SS extension cable 16.4 ft (5m)		\$ 120.00
00300-1-089	Implement triangle bracket		\$ 369.00

ITEM NO.	MOUNTING OPTIONS SPREADER WITH BRACKETS	KS 40	ES 100 Classic	MD 40	MD 100	WD 40	UDW 100	UDW 250
00300-2-107	Bracket for towing hitch ¹	x	x	x	x	x	x	---
00300-1-001	Tail-gate mounting bracket	x	x	x	x	x	x	---
00300-2-022	Height-adjustable quad (ATV) bracket	x	x	x	x	x	x	---
00300-2-135	Quad (ATV) bracket	x	x	x	x	x	x	---
00300-1-089	Implement triangle bracket	x	x	x	x	x	x	---

x Possible
 --- Not possible

¹ Observe the trailer drawbar load for your carrier vehicle!

SINGLE DISC SPREADER ES

ES 100 CLASSIC

ADVANTAGES

- Precise application of grass seed, cover crops and slug pellets
- Achieve precise seed distribution, even with small working widths, thanks to the large adjustment range of the throwing vanes and the straight spreading disc.
- High-quality Control Box (speed (rpm) measurement and control, monitoring)
- Automatic start for firmly tapped spreading material
- Hopper discharge port
- Easy adjustment of the working width from the driver's seat
- Versatile mounting options

TECHNICAL DATA

	ES 100 Classic
Working width	6 - 78 ft (2-24 m) ¹
Dimensions in inches (H x W x D)	35 x 22 x 24 (90x55x60cm)
Seed hopper (plastic)	3.5 cu ft / 2.9 U.S.bsh. (105l)
Net weight	64 lbs (29 kg)
Power data	12 V / 25 A

STANDARD SCOPE OF DELIVERY

- Electric Control Box 2.10 with mounting bracket for installation in the driver's cab
- Complete spreader with electrically driven spreading disc and adjustable throwing vanes
- 3 deflectors to finely adjust the lateral distribution
- Top link mounting and counter plate
- 10 ft (3m) cable for the power supply from the battery to the Control Box, 20 ft (6m) cable from the spreader to the Control Box



ITEM NO.	SINGLE DISC SPREADER		
02008-1-001	ES 100 Classic	\$	2,452.00

ITEM NO.	ACCESSORIES		
02001-1-103	Precision dispersion plate 3 - 13 ft (1- 4 m) working width	\$	316.00
02000-2-004	Calibration bag with scale ¹ for ES	\$	153.00
00300-2-107	Bracket for towing hitch	\$	525.00
00300-1-001	Tail-gate mounting bracket	\$	479.00
00300-2-022	Height-adjustable quad (ATV) bracket	\$	732.00
00300-2-135	Quad (ATV) bracket	\$	546.00
00410-2-190	ES SS extension cable 16.4 ft (5m)	\$	120.00
00300-1-089	Implement triangle bracket	\$	369.00

ITEM NO.	MOUNTING OPTIONS SPREADER WITH BRACKETS	KS 40	ES 100 Classic	MD 40	MD 100	WD 40	UDW 100	UDW 250
00300-2-107	Bracket for towing hitch ^{2,3}	x	x	x	x	x	x	---
00300-1-001	Tail-gate mounting bracket	x	x	x	x	x	x	---
00300-2-022	Height-adjustable quad (ATV) bracket	x	x	x	x	x	x	---
00300-2-135	Quad (ATV) bracket	x	x	x	x	x	x	---
00300-1-089	Implement triangle bracket	x	x	x	x	x	x	---

- x Possible
- Not possible

¹To achieve uniform distribution for a working width under 13 ft (4m), we recommend the use of a precision dispersion plate (see Accessories).

¹ The calibration bag can only be used in combination with the safety bar fastened onto the spreader.

² Observe the trailer drawbar load for your carrier vehicle!

³ Hoppers with a volume of 100 l may only be filled with 70 kg of spreading material.

MULTI-METERING SYSTEM MD

MDD 40 / MDD 100

WITH SPREADING PLATE



ADVANTAGES

- Precise dosing of slug pellets, cover crops and grass seed via the seeding shaft
- The best lateral distribution of slug pellets among Single Disc Spreaders on the market.
- Ground speed-related seed rate application¹ & headland management (with sensors)
- Easy calibration test (with the spreading plate stationary and folded)
- Stainless steel metering unit
- Can be converted to MDP or MDG

TECHNICAL DATA

	MDD 40	MDD 100
Working width	up to 92 ft (28m) (with "Metarex" slug pellets) ²	
Max. spread rate	up to 11 lbs/min (5kg/min) (depending on the seed)	
Dimensions in inches (H x W x D)	33 x 22 x 24 (83x55x60cm)	41 x 22 x 24 (105x55x60cm)
Seed hopper (plastic)	1.4 cu ft / 1 U.S.bsh. (40l)	3.5 cu ft / 2.9 U.S.bsh. (105l)
Net weight	62 lbs (28 kg)	66 lbs (30 kg)
Power data	12 V / 25 A	

⚠ The maximum spread rate for slug pellets is about 11 lbs /min (5kg/min). For seeds, it depends on the seed shape and density.

⚠ The spreader is not suitable for corrosive (fertilising) agents.

STANDARD SCOPE OF DELIVERY

- Complete spreader with hopper, metering unit, frame and spreading plate unit
- Point of impact adjustment
- Top link mounting and counter plate
- Calibration bag
- Seed wheel set for 2 seeding shafts (Flex 20, fine and fine-blind seed wheels)
- 20 ft (6m) cable from the spreader to the Control Box

ITEM NO.	MULTI-METERING SYSTEM		
11001-6-091	MDD 40	\$	2,333.00
11002-6-103	MDD 100	\$	2,800.00

⚠ You need a suitable Control Box:

ITEM NO.	CONTROL BOXES ¹		
00300-2-201	Control Box 1.2	\$	987.00
00300-2-042	Control Box 5.2	\$	1,941.00

ITEM NO.	ACCESSORIES		
02001-1-103	Precision dispersion plate 3 - 13 ft (1-4m) working width	\$	316.00
11000-2-060	Fill level sensor	\$	332.00
00410-2-185	Calibration button ²	\$	174.00
00410-2-148	Extension cable PS MX 6.6 ft (2m)	\$	218.00
00410-2-149	Extension cable PS MX 16.4 ft (5m)	\$	294.00
11000-2-125	Switch MDD – MDP ³	\$	240.00
00410-2-022	Tractor cable set 26 ft (8m)	\$	468.00
00300-1-089	Implement triangle bracket	\$	369.00

ITEM NO.	MODULAR IMPLEMENT EXTENSIONS		
11000-2-002	Mounting kit for 2 outlets (on MDP and MDG)	\$	467.00
11000-2-006	Mounting kit for 6 outlets (on MDP)	\$	657.00
11000-2-007	Mounting kit for electric fan (on MDP)	\$	544.00

⚠ Mounting options for Multi-Metering System, see page 13

You can find additional accessories for the Multi-Metering System and the speed sensors² on pages 70–75.

¹ Cannot be used with Control Box 1.2

² To achieve uniform distribution with a working width under 13.1 ft (4 m), we recommend use of a precision dispersion plate (see accessories) or the modular implement extension on MDP.

¹ Details on the functions of the various Control Boxes can be found on the pages 62-66.

² Cannot be used with Control Box 1.2

³ Available without ISOBUS equipment

MULTI-METERING SYSTEM MD

MDP 40 / MDP 100

WITH FAN



ADVANTAGES

- Excellent for spreading all common fine seeds, seed mixtures and slug pellets as well as for new planting or reseeding grassland
- Precise lateral distribution thanks to individual seed wheels for each outlet
- Ground speed-related seed rate application¹ & headland management (with sensors)
- Wind-independent and precise spreading of the seed
- Easy calibration test
- Stainless steel metering unit
- Can be converted to MDD² or MDG

TECHNICAL DATA

	MDP 40	MDP 100
Working width	up to 15 ft (4.5m) (6 outlets)	
Max. spread rate	up to 11 lbs/min (5kg/min) (depending on the seed and mounting)	
Dimensions in inches (H x W x D)	33 x 22 x 24 (83x55x60cm)	41 x 22 x 24 (105x55x60cm)
Seed hopper (plastic)	1.4 cu ft / 1 U.S.bsh. (40l)	3.5 cu ft / 2.9 U.S.bsh. (105l)
Net weight	62 lbs (28 kg)	66 lbs (30 kg)
Power data	12 V / 25 A	

⚠ This seeder (MDP in the standard version with 6 outlets) is not suitable for large seeds such as field beans, spelt wheat ...

⚠ The spreader is not suitable for corrosive (fertilising) agents.

⚠ Available with ISOBUS!

STANDARD SCOPE OF DELIVERY

- Complete seeder with hopper, metering unit, frame and fan
- Top link mounting and counter plate
- Calibration bag
- 6 dispersion plates, 3 hexagonal bars à 4 ft & 82 ft (1.2m & 25m) of hose
- Seed wheel set for 2 seeding shafts (Flex 20, fine and fine-blind seed wheels)
- 20 ft (6m) cable from the spreader to the Control Box

ITEM NO.	MULTI-METERING SYSTEM		
11001-6-084	MDP 40	\$	2,871.00
11002-6-115	MDP 100	\$	3,338.00

⚠ You need a suitable Control Box:

ITEM NO.	CONTROL BOXES ¹		
00300-2-201	Control Box 1.2	\$	987.00
00300-2-042	Control Box 5.2	\$	1,941.00
Configuration upon request	ISOBUS for MDP	\$	2,292.00

ITEM NO.	ACCESSORIES		
11000-2-060	Fill level sensor	\$	332.00
00410-2-185	Calibration button ²	\$	174.00
00410-2-148	Extension cable PS MX 6.6 ft (2m)	\$	218.00
00410-2-149	Extension cable PS MX 16.4 ft (5m)	\$	294.00
11000-2-125	Switch MDD – MDP ³	\$	240.00
00410-2-022	Tractor cable set 26 ft (8m)	\$	468.00

ITEM NO.	MODULAR IMPLEMENT EXTENSIONS		
11000-2-123	Mounting kit for Disc Spreader (on MDD)	\$	657.00
11000-2-002	Mounting kit for 2 outlets (on MDP and MDG)	\$	467.00

⚠ 2 pieces MDP combined with ISOBUS on request!

⚠ Mounting options for Multi-Metering System, see page 13

You can find additional accessories for the Multi-Metering System and the speed sensors² on pages 70–75.

¹ Details on the functions of the various Control Boxes (incl. retrofit kits) and ISOBUS can be found on the pages 62-66.

² Cannot be used with Control Box 1.2

³ Available without ISOBUS equipment

MULTI-METERING SYSTEM MD

MDG 40 / MDG 100

AIRLESS, WITHOUT FAN



ADVANTAGES

- Particularly suitable for airless supplemental dosing, for spreading granules, mouse baits or slug pellets, and for dosing silage additives during grass harvesting.
- Precise lateral distribution thanks to individual seed wheels for each outlet
- Ground speed-related seed rate application¹ & headland management (with sensors)
- Easy calibration test
- Stainless steel metering unit
- Can be converted to MDD² or MDP

TECHNICAL DATA

	MDG 40	MDG 100
Max. spread rate	up to 17 lbs/min (7.5kg/min) (depending on the seed/granulate), 2 outlets	
Dimensions in inches (H x W x D)	33 x 22 x 24 (83x55x60cm)	41 x 22 x 24 (105x55x60cm)
Hopper (plastic)	1.4 cu ft / 1 U.S.bsh. (40l)	3.5 cu ft / 2.9 U.S.bsh. (105l)
Net weight	49 lbs (22kg)	53 lbs (24kg)
Power data	12 V / 10 A	

⚠ The spreader is NOT APPROVED for metering plant protection products, such as Belem, Goldor Bait, etc.

⚠ The spreader is not suitable for corrosive (fertilising) agents.

⚠ Available with ISOBUS!

STANDARD SCOPE OF DELIVERY

- Complete seeder with hopper, metering unit and frame
- Top link mounting and counter plate
- Calibration bag
- 2 dispersion plates, 1 hexagonal bar à 4 ft & 82 ft (1.2m & 25m) of hose
- Seed wheel set for 2 seeding shafts (Flex 20, fine and fine-blind seed wheels)
- 20 ft (6m) cable from the spreader to the Control Box

ITEM NO.	MULTI-METERING SYSTEM		
11001-6-092	MDG 40	\$	2,128.00
11002-6-124	MDG 100	\$	2,594.00

⚠ You need a suitable Control Box:

ITEM NO.	CONTROL BOXES ¹		
00300-2-201	Control Box 1.2	\$	987.00
00300-2-042	Control Box 5.2	\$	1,941.00
Configuration upon request	ISOBUS for MDG	\$	2,292.00

ITEM NO.	ACCESSORIES		
11000-2-060	Fill level sensor	\$	332.00
00410-2-185	Calibration button ²	\$	174.00
00410-2-148	Extension cable PS MX 6.6 ft (2m)	\$	218.00
00410-2-149	Extension cable PS MX 16.4 ft (5m)	\$	294.00
00410-2-022	Tractor cable set 26 ft (8m)	\$	468.00

ITEM NO.	MODULAR IMPLEMENT EXTENSIONS		
11000-2-123	Mounting kit for Disc Spreader (on MDD)	\$	657.00
11000-2-006	Mounting kit for 6 outlets (on MDP)	\$	657.00
11000-2-007	Mounting kit for electric fan (on MDP)	\$	544.00

⚠ 2 pieces MDG combined with ISOBUS on request!

⚠ Mounting options for Multi-Metering System, see page 13

You can find additional accessories for the Multi-Metering System and the speed sensors² on pages 70–75.

¹ Cannot be used with Control Box 1.2
² Available without ISOBUS equipment

¹ Details on the functions of the various Control Boxes (incl. retrofit kits) and ISOBUS can be found on the pages 62-66.
² Cannot be used with Control Box 1.2

MULTI-METERING SYSTEM MD

MDC 40

AIRLESS, FOR CHEMICALS



ADVANTAGES

- Sealed spreader for the safe application of your granulated crop protection products (e.g. Vydate, Belem, Goldor Bait, Attracap, Mocap etc.)
- Airless dosing on 2 or 4 rows
- Approved by the Julius Kühn Institute!
- Fishtail coulters ensure safe and accurate granular placement
- Ground speed-related seed rate application¹ & headland management (with sensors)
- Easy calibration test

TECHNICAL DATA

	MDC 40
Max. spread rate	up to 1.8 lbs/min (0.8 kg/min) with microgranulate/insecticide, 2 outlets
Dimensions in inches (H x W x D)	33 x 19 x 24 (83x47x60cm)
Hopper (plastic)	1.4 cu ft / 1 U.S.bsh. (40l)
Net weight	49 lbs (22kg)
Power data	12 V / 10 A

⚠ The spreader is not suitable for corrosive (fertilising) agents.

⚠ Available with ISOBUS!

STANDARD SCOPE OF DELIVERY

- Complete seeder with hopper, metering unit and frame
- Counter plate
- Calibration tray and calibration scales
- 2 fishtail units incl. 2 hinged bolt clamps and 16.4 ft (5m) of hose
- Seed wheel set for 1 seeding shaft
- 20 ft (6m) cable from the spreader to the Control Box

ITEM NO.	MULTI-METERING SYSTEM	
11006-1-002	MDC 40	\$ 2,848.00

⚠ You need a suitable Control Box:

ITEM NO.	CONTROL BOXES FOR 2-ROW APPLICATION ¹	
00300-2-201	Control Box 1.2	\$ 987.00
00300-2-042	Control Box 5.2	\$ 1,941.00
Configuration upon request	ISOBUS for 1 piece MDC	\$ 2,292.00

ITEM NO.	CONTROL BOXES FOR 4-ROW APPLICATION ^{1,2}	
00300-2-362	Control Box 5.7	\$ 2,465.00
00410-2-164	PS 2 MX MCP adapter (for controlling 2 MDC)	\$ 486.00
Configuration upon request	ISOBUS for 2 pieces MDC	\$ 3,074.00

ITEM NO.	ACCESSORIES	
11000-2-060	Fill level sensor	\$ 332.00
00410-2-185	Calibration button ³	\$ 174.00
00410-2-148	Extension cable PS MX 6.6 ft (2m)	\$ 218.00
00410-2-149	Extension cable PS MX 16.4 ft (5m)	\$ 294.00
00410-2-022	Tractor cable set 26 ft (8m)	\$ 468.00
00410-2-209	Tractor cable set for Control Box 5.7 (16.4 ft (5m)) (power supply cable for additional towing vehicle)	\$ 392.00
11006-2-016	Surefill adapter	\$ 348.00
11006-2-020	Seeding shaft Flex10 0.5 cui (7.8 ccm)	\$ 188.00
11006-2-019	Foreign object sieve	\$ 174.00

MODULAR IMPLEMENT EXTENSION – Please contact your APV sales representative for more information!

⚠ Mounting options for Multi-Metering System, see page 13

You can find additional accessories for the Multi-Metering System and the speed sensors² on pages 70–75

¹ Details on the functions of the various Control Boxes (incl. retrofit kits) and ISOBUS can be found on the pages 62-66.

² For 4-row application, you require 2x MDC, one Control Box 5.7 and one adapter cable or ISOBUS.

³ Cannot be used with Control Box 1.2

WHAT IS THE RIGHT PNEUMATIC SEEDER FOR ME?

OVERVIEW OF THE APV PS SERIES

- **Standard series:** PS 120-1600 (see pages 26–78)
- **Fertilizer Edition:** PS 120 D-1600 D (see pages 36–45); XD 4200 (see page 46); SMART TWIN 120-500 (see pages 48–49); PS 300 D TWIN-500 D TWIN (see page 50)
- **Special applications:** 9–16 outlets (PS 120-500) or 32 outlets (PS 800-1600) (see page 52)

BASIC CONSIDERATIONS

- What do you want to spread with the Pneumatic Seeder? Please note that our PS units are suitable for versatile applications. Think about the future: If you might want to work with larger working widths or bigger and heavier seeds at a later time, a Pneumatic Seeder with a hydraulic fan instead of an electric fan would probably be more suitable for you.
- If you want to spread corrosive agents (fertilizers or micro granulates), use only Fertilizer Edition Pneumatic Seeders (these are fully corrosion-proof).
- **If equipped with a hydraulic fan, you need one single-acting control unit (size BG 3) and one pressureless return (without reduction, max. 5 bar return pressure) with a size 4 coupling (BG 4). Max. required pressure: 180 bar, max. required oil quantity: 38 l/min**

SELECTION OF THE RIGHT FAN

Calculate the spread rate per minute and using this value, find out whether you need a Pneumatic Seeder with an electric, electric PLUS or hydraulic fan.¹

$$\frac{\text{Seed Quantity (lbs/per acre)} \times \text{Speed (mph)} \times \text{Working Width (ft)}}{495} = \text{lbs/min}$$

max. lbs/min (kg/min)	Up to 7.7 lbs/min (3.5 kg/min)	Up to 17.6 lbs/min (8 kg/min)	Up to 30.8 lbs/min (14 kg/min)	Up to 66 lbs/min (30 kg/min)
Suitable seeder	PS / SMART TWIN 120–500 with elec. fan	PS / SMART TWIN 120–500 with elec. fan PLUS	PS / SMART TWIN 200–500 with hydr. fan	PS 800–1600 with hydr. fan

EXAMPLE

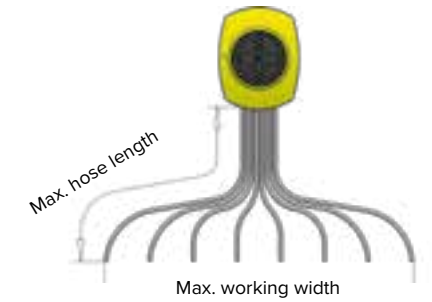
The Johnson family wants to spread 41 lbs of a cover crop mixture/per acre at a speed of 6 mph (10 km/h), the Pneumatic Seeder will be mounted on a 20 ft (6 m) cultivator.

$$\text{Calculation: } \frac{20 \text{ ft} \times 6 \text{ mph} \times 41 \text{ lbs}}{495} = 9.9 \text{ lbs/min}$$

With this result, the Johnson family could purchase a PS of the versions 200–500 with electric fan PLUS or hydraulic fan. The Johnson family does not have a pressureless return on their tractor. Therefore, the hydraulic fan is not possible. For this reason, the Johnson family chooses from the versions PS 200–500 with electric fan PLUS.

SELECTION OF THE RIGHT HOSE LENGTH

Good spreading results depend on the hose lengths and proper hose laying. On hydraulic fans, connect the longest seed hoses starting on the gearbox motor side.



Max. hose length	13 ft (4m)	26 ft (8m)		33 ft (10m)	46 ft (14m)	
max. working width	20 ft (6m)	20 ft (6m)	39 ft (12m)	39 ft (12m)	39 ft (12m)	39 - 79 ft (12-24m)
Suitable seeder	PS / SMART TWIN 120–500 with elec. fan	PS / SMART TWIN 200–500 with elec. fan PLUS or hydr. fan	PS / SMART TWIN 120–500 with elec. fan PLUS and Y-divider (fine seed)	PS / SMART TWIN 200–500 with hydr. fan with Y-divider	PS 800–1600 With hydr. fan	PS 800–1600 With special equipment ²

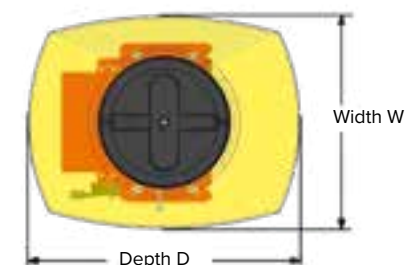
SELECTION OF THE RIGHT HOPPER SIZE

Pneumatic Seeder with elec. fan / elec. fan PLUS / hydr. fan	Dimensions in inches (Height x Width x Depth)	Weight
PS / SMART TWIN 120 + elec. fan	35 x 24 x 31	99 - 121 lbs (45-55 kg)
PS / SMART TWIN 120 + elec. fan PLUS	35 x 24 x 34	117 - 132 lbs (53-60 kg)
PS / SMART TWIN 200 + elec. fan / PLUS	39 x 28 x 35	132 - 150 lbs (60-70 kg)
PS / SMART TWIN 200 + hydr. fan	39 x 28 x 43	183 - 194 lbs (83-88 kg)
PS / SMART TWIN 300 + elec. fan / PLUS	43 x 31 x 39	154 - 172 lbs (70-78 kg)
PS / SMART TWIN 300 + hydr. fan	43 x 31 x 45	205 lbs (93 kg)
PS / SMART TWIN 500 + elec. fan / PLUS	49 x 31 x 47	220 - 238 lbs (100-108 kg)
PS / SMART TWIN 500 + hydr. fan	49 x 31 x 49	271 lbs (123 kg)
PS 800 + hydr. fan	49 x 39 x 67	551 lbs (250 kg)
PS 1100 + hydr. fan	60 x 40 x 67	639 lbs (290 kg)
PS 1600 + hydr. fan	65 x 43 x 87	1,036 lbs (470 kg)
PS 1600 + hydr. fan with MT2	89 x 87 x 59	1,764 lbs (800 kg)
XD 4200	79 x 71 x 116 (without step: depth 94)	2,436 lbs (1,105 kg)
PS 300 D TWIN + elec. fan / PLUS	41 x 30 x 39	220 - 238 lbs (100-108 kg)
PS 300 D TWIN + hydr. fan	41 x 30 x 45	271 lbs (123 kg)
PS 500 D TWIN + elec. fan / PLUS	49 x 32 x 47	265 - 276 lbs (120-125 kg)
PS 500 D TWIN + hydr. fan	49 x 32 x 49	315 lbs (143 kg)

OPTIMUM POSITIONING OF THE PS

Determine the optimum position of the PS on the soil tillage implement based on the following criteria:

- Short, sloping hoses
- Installation position and installation height of the dispersion plates (approx. 1.40 ft (40cm) over the worked soil, max. 2.50 ft (75cm) from dispersion plate centre to dispersion plate centre)
- Safe filling, calibrating, & changing seeding shafts
- Enough space when the implement will be folded (hopper!)
- Are the cables long enough? (Implement cable 20 ft (6m))
- Are the hydraulic hoses 20 ft (6m) long enough?



¹ A hydraulic fan must always be used for heavy seeds (beans, peas, wheat, fertilizer)!

² Please contact your sales representative!

METRIC

English	French	kg/m ³	kg/100l	PS 120		PS 200		PS 300		PS 500	
				25 kg bags	kg	25 kg bags	kg	25 kg bags	kg	25 kg bags	kg
Wheat	Blé	772	77,20	3,71	92,64	6,18	154,40	9,26	231,60	15,44	386,00
Oat	Avoine	412	41,20	1,98	49,44	3,30	82,40	4,94	123,60	8,24	206,00
Barley	Orge	618	61,80	2,97	74,16	4,94	123,60	7,42	185,40	12,36	309,00
Soya	Soya	772	77,20	3,71	92,64	6,18	154,40	9,26	231,60	15,44	386,00
Flax	Lin	721	72,10	3,46	86,52	5,77	144,20	8,65	216,30	14,42	360,50
Alfafa	Luzerne	772	77,20	3,71	92,64	6,18	154,40	9,26	231,60	15,44	386,00
Beets	Betrave à sucre	283	28,30	1,36	33,96	2,26	56,60	3,40	84,90	5,66	141,50
Millet	Shorgo	644	64,40	3,09	77,28	5,15	128,80	7,73	193,20	12,88	322,00
Sudan grasses		515	51,50	2,47	61,80	4,12	103,00	6,18	154,50	10,30	257,50
Peas	Pois	772	77,20	3,71	92,64	6,18	154,40	9,26	231,60	15,44	386,00
Buckwheat	Sarazin	618	61,80	2,97	74,16	4,94	123,60	7,42	185,40	12,36	309,00
Rape seed		708	70,80	3,40	84,96	5,66	141,60	8,50	212,40	14,16	354,00
Rye grain	Seigle	721	72,10	3,46	86,52	5,77	144,20	8,65	216,30	14,42	360,50
Corn	Maïs	721	72,10	3,46	86,52	5,77	144,20	8,65	216,30	14,42	360,50
White clover	Trèfle blanc	771	77,10	3,70	92,52	6,17	154,20	9,25	231,30	15,42	385,50
Cdn blue grass	Dactyle	180	18,00	0,86	21,60	1,44	36,00	2,16	54,00	3,60	90,00
Red top	Brome	180	18,00	0,86	21,60	1,44	36,00	2,16	54,00	3,60	90,00
Thymothe	Millet	618	61,80	2,97	74,16	4,94	123,60	7,42	185,40	12,36	309,00
Yellow mustard	Moutarde jaune	721	72,10	3,46	86,52	5,77	144,20	8,65	216,30	14,42	360,50
Canola	Colza	680	68,00	3,26	81,60	5,44	136,00	8,16	204,00	13,60	340,00
Ryegrass	Ryegrass	460	46,00	2,21	55,20	3,68	92,00	5,52	138,00	9,20	230,00

IMPERIAL

	Model	PS 120	PS 200	PS 300	PS 500	PS 800	PS 1600
	Bu. Capacity	3,405	5,675	8,513	14,188	22,701	45,403
	LBS per bushel	LBS PER HOPPER					
Alfafa	60	204	341	511	851	1.362	2.724
Barley	48	163	272	409	681	1.090	2.179
Buckwheat	50	170	284	426	709	1.135	2.270
Canola	50	170	284	426	709	1.135	2.270
Crimson clover	60	204	341	511	851	1.362	2.724
Flax	60	204	341	511	851	1.362	2.724
Hairy Vetch	60	204	341	511	851	1.362	2.724

IMPERIAL

	Model	PS 120	PS 200	PS 300	PS 500	PS 800	PS 1600
	Bu. Capacity	3,405	5,675	8,513	14,188	22,701	45,403
	LBS per bushel	LBS PER HOPPER					
Oats	32	109	182	272	454	726	1.453
Radish	50	170	284	426	709	1.135	2.270
Red / White clover	60	204	341	511	851	1.362	2.724
Rye grain	56	191	318	477	795	1.271	2.543
Rye grass	26	89	148	221	369	590	1.180
Sorghum	56	191	318	477	795	1.271	2.543
Sudan grasses	40	136	227	341	568	908	1.816
Timothy	48	163	272	409	681	1.090	2.179
Triticale	50	170	284	426	709	1.135	2.270
Wheat	60	204	341	511	851	1.362	2.724

METRIC

English	French	kg/m ³	kg/100l	PS 800		PS 1600	
				25 kg bags	kg	25 kg bags	kg
Wheat	Blé	772	77,20	24,70	617,60	49,41	1.235,20
Oat	Avoine	412	41,20	13,18	329,60	26,37	659,20
Barley	Orge	618	61,80	19,78	494,40	39,55	988,80
Soya	Soya	772	77,20	24,70	617,60	49,41	1.235,20
Flax	Lin	721	72,10	23,07	576,80	46,14	1.153,60
Alfafa	Luzerne	772	77,20	24,70	617,60	49,41	1.235,20
Beets	Betrave à sucre	283	28,30	9,06	226,40	18,11	452,80
Millet	Shorgo	644	64,40	20,61	515,20	41,22	1.030,40
Sudan grasses		515	51,50	16,48	412,00	32,96	824,00
Peas	Pois	772	77,20	24,70	617,60	49,41	1.235,20
Buckwheat	Sarazin	618	61,80	19,78	494,40	39,55	988,80
Rape seed		708	70,80	22,66	566,40	45,31	1.132,80
Rye grain	Seigle	721	72,10	23,07	576,80	46,14	1.153,60
Corn	Maïs	721	72,10	23,07	576,80	46,14	1.153,60
White clover	Trèfle blanc	771	77,10	24,67	616,80	49,34	1.233,60
Cdn blue grass	Dactyle	180	18,00	5,76	144,00	11,52	288,00
Red top	Brome	180	18,00	5,76	144,00	11,52	288,00
Thymothe	Millet	618	61,80	19,78	494,40	39,55	988,80
Yellow mustard	Moutarde jaune	721	72,10	23,07	576,80	46,14	1.153,60
Canola	Colza	680	68,00	21,76	544,00	43,52	1.088,00
Ryegrass	Ryegrass	460	46,00	14,72	368,00	29,44	736,00

Seeding & spreading

Seeding & spreading

PNEUMATIC SEEDERS PS

PS 120 / PS 200 / PS 300

ADVANTAGES

- Precise spreading of cover crops, nurse crops, reseeding of grass and more, independent of the wind
- Save time & money with fewer crossings
- Easy operation with ISOBUS is possible
- Exact lateral distribution over the whole working width
- Ground speed-related seed rate application¹ & headland management (with sensors)

TECHNICAL DATA

	PS 120	PS 200	PS 300
Working width	3 - 20 ft (1-6m) with electric double fan, 8 outlets 3 - 20 ft (1-6m) with electric fan PLUS , 8 outlets 3 - 20 ft (1-6m) with hydraulic fan, 8 outlets 3-40 ft (1-12m) with electric fan PLUS , 16 outlets (optional) 3-40 ft (1-12m) with hydraulic fan, 16 outlets (optional) (8 outlets with 8 Y-dividers (see page 74) or doubling pieces (see page 53) available as accessories) Hydraulic PS can be combined with Distribution Head (s. page 54)		
Dimensions	See page 78		
Seed hopper (plastic)	4.2 cu ft / 3.4 U.S.bsh. (120l)	7 cu ft / 5.7 U.S.bsh. (200l)	10.5 cu ft / 8.5 U.S.bsh. (300l)
Net weight	See page 78		
Power data for electric fan	12 V / 25 A		
Power data for elec. fan PLUS	Fan: 12 V / 40 A Seeding shaft drive: 12 V / 10 A		
Power data for hydraulic fan	max. required oil quantity: 10 US gpm (38l/min)		

⚠ If equipped with a Hydraulic fan, you need one single-acting control unit (size BG 3) and one free return size 4 coupling (BG 4), without reduction, (**max 5 bar return pressure**) and pressureless overflow line to case drain, (size BG 3).

⚠ The power supply for the electric fan PLUS comes directly from the battery. The cable set for this is supplied with the **electric fan PLUS. Make sure that the power of the alternator of the towing vehicle is sufficient.**

⚠ **Available with ISOBUS!**

STANDARD SCOPE OF DELIVERY

- Complete seeder with hose system (82 ft (25 m))
- Seeding shaft for fine seed, seeding shaft for coarse seed (for additional seed applications, see the seeding shafts on page 59)
- Agitator
- 20 ft (6m) cable from the seeder to the Control Box
- Calibration slide, counter plate, calibration bag, seed scale
- Fan monitoring with fan speed sensor for hydraulic fan
- 8 dispersion plates & 4 hexagonal bars à 4 ft (1.2m) (for dispersion plate installation)



ITEM NO.	PNEUMATIC SEEDERS		
04018-6-062	PS 120 electric fan	\$	5,149.00
04018-6-215	PS 120 electric fan PLUS ²	\$	7,103.00
04001-6-102	PS 200 electric fan	\$	5,782.00
04001-6-354	PS 200 electric fan PLUS ²	\$	7,736.00
04001-6-551	PS 200 hydraulic fan	\$	10,379.00
04002-6-121	PS 300 electric fan	\$	6,352.00
04002-6-430	PS 300 electric fan PLUS ²	\$	8,306.00
04002-6-840	PS 300 hydraulic fan	\$	10,948.00

⚠ You need a suitable Control Box!

ITEM NO.	TOP SELLER		
04018-6-291	SET PS 120 electric fan PLUS + Control Box 5.2 + sensor GPSa	\$	11,050.00
04018-6-292	SET PS 120 electric fan + Control Box 5.2 + sensor GPSa	\$	9,102.00
04001-6-546	SET PS 200 electric fan PLUS + Control Box 5.2 + sensor GPSa	\$	11,679.00
04002-6-837	SET PS 300 electric fan PLUS + Control Box 5.2 + sensor GPSa	\$	12,587.00
04002-6-838	SET PS 300 hydraulic fan + Control Box 5.2 + sensor GPSa	\$	15,054.00
04002-6-001046	PS 300 electric fan + ISOBUS	\$	9,542.00
04002-6-835	PS 300 electric fan PLUS + ISOBUS	\$	10,592.00
04002-6-841	PS 300 hydraulic fan + ISOBUS	\$	13,242.00

ITEM NO.	CONTROL BOXES ³		
00300-2-201	Control Box 1.2	\$	987.00
00300-2-042	Control Box 5.2	\$	1,941.00
00300-2-214	Control Box 6.2	\$	3,382.00
Configuration upon request	ISOBUS electric fan	\$	3,186.00
Configuration upon request	ISOBUS electric fan PLUS	\$	2,292.00
Configuration upon request	ISOBUS hydraulic fan	\$	2,292.00

ITEM NO.	ACCESSORIES		
00410-2-185	Calibration button ¹	\$	174.00
04000-2-269	Fill level sensor conversion kit	\$	456.00
00410-2-148	Extension cable PS MX 6.6 ft (2m)	\$	218.00
00410-2-149	Extension cable PS MX 16.4 ft (5m)	\$	294.00
00410-2-150	Extension cable PS MX 46 ft (14m)	\$	441.00
04100-2-004	Power supply extension cable for fan PLUS (6.6 ft (2m))	\$	308.00
04100-2-014	Power supply extension cable for fan PLUS (16.4 ft (5m))	\$	356.00
04100-2-002	Cable set for fan PLUS (for the power supply on another tractor)	\$	410.00
04000-2-114	Top link bracket incl. top link PS 120–PS 500	\$	571.00

¹ Cannot be used with Control Box 1.2

² You need the most recent software version for the Control Box.

³ Details on the functions of the various Control Boxes (incl. retrofit kits) and ISOBUS can be found on the pages 62-66.

PNEUMATIC SEEDERS PS

PS 500

ADVANTAGES

- Precise spreading of cover crops, nurse crops, reseeding of grass and more, independent of the wind
- Easy operation with ISOBUS is possible
- Exact lateral distribution over the whole working width
- Ground speed-related seed rate application¹ & headland management (with sensors)
- Mounting options on almost any soil tillage implement, seed drill and crop care implement – regardless of the manufacturer

TECHNICAL DATA

	PS 500
Working width	3 - 20 ft (1-6m) with electric double fan, 8 outlets 3 - 20 ft (1-6m) with electric fan PLUS , 8 outlets 3 - 20 ft (1-6m) with hydraulic fan, 8 outlets 3-40 ft (1-12m) with electric fan PLUS , 16 outlets (optional) 3-40 ft (1-12m) with hydraulic fan, 16 outlets (optional) (8 outlets with 8 Y-dividers (see page 74) or doubling pieces (see page 53) available as accessories) Hydraulic PS can be combined with Distribution Head (s. page 54)
Dimensions	See page 78
Seed hopper (plastic)	17.7 cu ft / 14 U.S.bsh. (500l)
Net weight	See page 78
Power data for electric fan	12 V / 25 A
Power data for elec. fan PLUS	Fan: 12 V / 40 A Seeding shaft drive: 12 V / 10 A
Power data for hydraulic fan	max. required oil quantity: 10 US gpm (38l/min)

▲ If equipped with a Hydraulic fan, you need one single-acting control unit (size BG 3) and one free return size 4 coupling (BG 4), without reduction, (**max 5 bar return pressure**) and pressureless overflow line to case drain, (size BG 3).

▲ The power supply for the electric fan PLUS comes directly from the battery. The cable set for this is supplied with the **electric fan PLUS. Make sure that the power of the alternator of the towing vehicle is sufficient.**

▲ **Available with ISOBUS!**

STANDARD SCOPE OF DELIVERY

- Complete seeder with hose system (82 ft (25 m))
- Seeding shaft for fine seed, seeding shaft for coarse seed (for additional seed applications, see the seeding shafts on page 59)
- Agitator
- 20 ft (6m) cable from the seeder to the Control Box
- Calibration slide, counter plate, calibration bag, seed scale, fill level sensor
- Fan monitoring with fan speed sensor for hydraulic fan
- 8 dispersion plates & 4 hexagonal bars à 4 ft (1.2m) (for dispersion plate installation)



ITEM NO.	PNEUMATIC SEEDERS	
04003-6-102	PS 500 electric fan	\$ 8,385.00
04003-6-315	PS 500 electric fan PLUS ²	\$ 10,338.00
04003-6-513	PS 500 hydraulic fan	\$ 13,225.00

▲ You need a suitable Control Box!

ITEM NO.	TOP SELLER	
04003-6-571	SET PS 500 electric fan PLUS + Control Box 5.2 + sensor GPSa	\$ 14,441.00
04003-6-572	SET PS 500 hydraulic fan + Control Box 5.2 + sensor GPSa	\$ 17,087.00
04003-6-001013	PS 500 electric fan + ISOBUS	\$ 11,586.00
04003-6-569	PS 500 electric fan PLUS + ISOBUS	\$ 12,628.00
04003-6-578	PS 500 hydraulic fan + ISOBUS	\$ 15,278.00

ITEM NO.	CONTROL BOXES ³	
00300-2-201	Control Box 1.2	\$ 987.00
00300-2-042	Control Box 5.2	\$ 1,941.00
00300-2-214	Control Box 6.2	\$ 3,382.00
Configuration upon request	ISOBUS electric fan	\$ 3,186.00
Configuration upon request	ISOBUS electric fan PLUS	\$ 2,292.00
Configuration upon request	ISOBUS hydraulic fan	\$ 2,292.00

ITEM NO.	ACCESSORIES	
00410-2-185	Calibration button ¹	\$ 174.00
00410-2-148	Extension cable PS MX 6.6 ft (2m)	\$ 218.00
00410-2-149	Extension cable PS MX 16.4 ft (5m)	\$ 294.00
00410-2-150	Extension cable PS MX 46 ft (14m)	\$ 441.00
04100-2-004	Power supply extension cable for fan PLUS (6.6 ft (2m))	\$ 308.00
04100-2-014	Power supply extension cable for fan PLUS (16.4 ft (5m))	\$ 356.00
04100-2-002	Cable set for fan PLUS (for the power supply on another tractor)	\$ 410.00
04000-2-114	Top link bracket incl. top link PS 120–PS 500	\$ 571.00

You can find additional accessories for Pneumatic Seeders and the speed sensors¹ on pages 70–76.

¹ Cannot be used with Control Box 1.2

² You need the most recent software version for the Control Box.

³ Details on the functions of the various Control Boxes (incl. retrofit kits) and ISOBUS can be found on the pages 62-66.

PNEUMATIC SEEDERS PS

PS 800 / PS 1100

ADVANTAGES

- Precise spreading of cover crops, nurse crops, reseeding of grass and more, independent of the wind
- High application rates can be realised for large farms and contractors
- Easy operation with ISOBUS is possible
- Exact lateral distribution over the whole working width
- Easy to fill thanks to the large hopper opening for big bag filling
- Large discharge port for quick emptying of the tank
- Ground speed-related seed rate application & headland management (with sensors)

TECHNICAL DATA

	PS 800	PS 1100
Working width	9 - 39 ft (3-12m) with hydraulic fan, 16 outlets 9 - 39 ft (3-12m) with hydraulic fan, 32 outlets (optional) (16 outlets with 16 Y-dividers (see page 74) or doubling pieces (see page 53) available as accessories) Hydraulic PS can be combined with Distribution Head (s. page 54)	
Dimensions	See page 78	
Seed hopper (steel)	28.3 cu ft / 23 U.S. bsh. (800 l)	38.8 cu ft / 31.2 U.S.bsh. (1100 l)
Net weight	See page 78	
Power data	12 V / 25 A	
Power data for hydraulic fan	max. required oil quantity: 10 US gpm (38l/min)	

⚠ If equipped with a Hydraulic fan, you need one single-acting control unit (size BG 3) and one free return size 4 coupling (BG 4), without reduction, (**max 5 bar return pressure**) and pressureless overflow line to case drain, (size BG 3).

⚠ Available with ISOBUS!

STANDARD SCOPE OF DELIVERY

- Complete seeder with hose system (246 ft (75m))
- Seeding shaft for fine seed, seeding shaft for coarse seed (for additional seed applications, see the seeding shafts on page 59)
- Agitator
- 20 ft (6m) cable from the seeder to the Control Box
- Calibration slide, calibration bag, seed scale, fill level sensor
- Fan monitoring by means of a fan speed sensor
- 16 dispersion plates & 8 hexagonal bars à 4 ft (1.2m) (for dispersion plate installation)
- Crane straps for easier handling when mounting



ITEM NO.	PNEUMATIC SEEDER	
04011-6-194	PS 800 hydraulic fan	\$ 18,593.00
04107-6-001	PS 1100 hydraulic fan	\$ 22,166.00

⚠ You need a suitable Control Box!

ITEM NO.	TOP SELLER	
04011-6-227	SET PS 800 + Control Box 5.2 + sensor GPSa	\$ 23,358.00
04011-6-195	PS 800 hydraulic fan + ISOBUS	\$ 21,502.00
04107-6-002	PS 1100 hydraulic fan + ISOBUS	\$ 24,523.00

ITEM NO.	CONTROL BOXES ¹	
00300-2-042	Control Box 5.2	\$ 1,941.00
00300-2-214	Control Box 6.2	\$ 3,382.00
Configuration upon request	ISOBUS	\$ 2,355.00

ITEM NO.	ACCESSORIES	
00410-2-185	Calibration button	\$ 174.00
00410-2-148	Extension cable PS MX 6.6 ft (2m)	\$ 218.00
00410-2-149	Extension cable PS MX 16.4 ft (5m)	\$ 294.00
00410-2-150	Extension cable PS MX 46 ft (14m)	\$ 441.00
00410-2-022	Tractor cable set (26 ft (8 m)) ²	\$ 468.00

You can find additional accessories for Pneumatic Seeders and the speed sensors on pages 70–76.

¹ You need the most recent software version for the Control Box.

² Details on the functions of the various Control Boxes (incl. retrofit kits) and ISOBUS can be found on the pages 62-66.

PNEUMATIC SEEDERS PS

PS 1600 (STAND-ALONE)¹

ADVANTAGES

- Precise spreading of cover crops, nurse crops, reseeding of grass and more, independent of the wind
- High application rates can be realised for large farms and contractors
- Large container volume saves time due to fewer filling processes
- Easy operation with ISOBUS is possible
- Exact lateral distribution over the whole working width
- Easy to fill thanks to the large hopper opening for big bag filling
- Large discharge port for quick emptying of the tank
- Ground speed-related seed rate application & headland management (with sensors)

TECHNICAL DATA

	PS 1600
Working width	9 - 39 ft (3-12m) with hydraulic fan, 16 outlets 9 - 39 ft (3-12m) with hydraulic fan, 32 outlets (optional) (16 outlets with 16 Y-dividers (see page 74) or doubling pieces (see page 53) available as accessories) Hydraulic PS can be combined with Distribution Head (s. page 54)
Dimensions	See page 78
Seed hopper	56.6 cu ft / 45 U.S. bsh. (1,600l)
Net weight	See page 78
Power data	12 V / 25 A
Power data for hydraulic fan	max. required oil quantity: 10 US gpm (38l/min)

⚠ If equipped with a Hydraulic fan, you need one single-acting control unit (size BG 3) and one free return size 4 coupling (BG 4), without reduction, (**max 5 bar return pressure**) and pressureless overflow line to case drain, (size BG 3).

⚠ **Available with ISOBUS!**

STANDARD SCOPE OF DELIVERY

- Complete seeder with hose system (246 ft (75m))
- Seeding shaft for fine seed, seeding shaft for coarse seed (for additional seed applications, see the seeding shafts on page 59)
- Agitator
- 20 ft (6m) cable from the seeder to the Control Box
- Calibration slide, calibration tray, seed scale, fill level sensor
- Fan monitoring by means of a fan speed sensor
- 16 dispersion plates & 8 hexagonal bars à 4 ft (1.2m) (for dispersion plate installation)
- Universal bracket for mounting on a soil tillage implement
- Crane straps for easier handling when mounting



ITEM NO,	PNEUMATIC SEEDER	
04049-6-083	PS 1600 (stand-alone) hydraulic fan ¹	\$ 26,710.00

⚠ You need a suitable Control Box!

ITEM NO,	TOP SELLER	
04049-6-093	SET PS 1600 + Control Box 5.2 + sensor GPSa	\$ 31,226.00
04049-6-084	PS 1600 hydraulic fan + ISOBUS	\$ 29,048.00

ITEM NO,	CONTROL BOXES ²	
00300-2-042	Control Box 5,2	\$ 1,941.00
00300-2-214	Control Box 6,2	\$ 3,382.00
Configuration upon request	ISOBUS	\$ 2,355.00

ITEM NO,	ACCESSORIES	
00410-2-185	Calibration button	\$ 174.00
00410-2-148	Extension cable PS MX 6,6 ft (2m)	\$ 218.00
00410-2-149	Extension cable PS MX 16,4 ft (5m)	\$ 294.00
00410-2-150	Extension cable PS MX 46 ft (14m)	\$ 441.00
00410-2-022	Tractor cable set (26 ft (8 m)) ³	\$ 468.00

You can find additional accessories for Pneumatic Seeders and the speed sensors on pages 70–76.

PNEUMATIC SEEDERS PS WITH IMPLEMENT CARRIER

PS 1600 + MT2

ADVANTAGES

- Precise spreading of cover crops, nurse crops, reseeding of grass and more, independent of the wind
- Flexible use, as the Pneumatic Seeder does not need to be mounted directly on the implement
- Easy operation with ISOBUS is possible
- Exact lateral distribution over the whole working width
- Seeding combination with different mounted implements (cultivator, disc harrow, roller, strip till coulters, etc.)
- Ground speed-related seed rate application & headland management (with sensors)
- The axle loads and weights are optimized!
- Pulling force increase because the weight is exerted on the towing vehicle

TECHNICAL DATA

	PS 1600 + MT2
Working width	9 - 39 ft (3-12m) with hydraulic fan, 16 outlets 9 - 39 ft (3-12m) with hydraulic fan, 32 outlets (optional) (16 outlets with 16 Y-dividers (see page 74) or doubling pieces (see page 53) available as accessories) Hydraulic PS can be combined with Distribution Head (s. page 54)
Dimensions	see page 78
Seed hopper (steel)	56.6 cu ft / 45 U.S. bsh. (1,600l)
Net weight	see page 78
Power data	12 V / 25 A
Power data for hydraulic fan	max. required oil quantity: 10 US gpm (38l/min)

⚠ If equipped with a Hydraulic fan, you need one single-acting control unit (size BG 3) and one free return size 4 coupling (BG 4), without reduction, (**max 5 bar return pressure**) and pressureless overflow line to case drain, (size BG 3).

⚠ **Available with ISOBUS!**

STANDARD SCOPE OF DELIVERY

- Complete seeder with hose system (246 ft (75m))
- Seeding shaft for fine seed, seeding shaft for coarse seed (for additional seed applications, see the seeding shafts on page 59)
- Agitator
- 20 ft (6m) cable from the seeder to the Control Box
- Calibration slide, calibration tray, seed scale, fill level sensor, calibration button
- Fan monitoring by means of a fan speed sensor
- 16 dispersion plates & 8 hexagonal bars à 4 ft (1.2m) (for dispersion plate installation)
- Platform
- Attachment kit leakage oil line



ITEM NO.	PNEUMATIC SEEDER	
04050-6-109	PS 1600 hydraulic fan + Implement Carrier catch hook CAT 3	\$ 39,128.00

⚠ You need a suitable Control Box!

ITEM NO.	TOP SELLER INCL. ISOBUS	
04050-6-110	PS 1600 hydraulic fan + Implement Carrier catch hook CAT 3 + ISOBUS	\$ 39,002.00

ITEM NO.	CONTROL BOXES ¹	
00300-2-042	Control Box 5.2	\$ 1,941.00
00300-2-214	Control Box 6.2	\$ 3,382.00
Configuration upon request	ISOBUS	\$ 2,355.00

ITEM NO.	ACCESSORIES	
00410-2-185	Calibration button	\$ 174.00
00410-2-148	Extension cable PS MX 6.6 ft (2m)	\$ 218.00
00410-2-149	Extension cable PS MX 16.4 ft (5m)	\$ 294.00
00410-2-150	Extension cable PS MX 46 ft (14m)	\$ 441.00
00410-2-022	Tractor cable set 8 m ²	\$ 468.00

Additional equipment of the implement carrier on page 78

You can find additional accessories for Pneumatic Seeders and the speed sensors on pages 70–76.

¹ Details on the functions of the various Control Boxes (incl. retrofit kits) and ISOBUS can be found on the pages 62-66.

² Suitable for Control Boxes 1.2, 5.2, 6.2

PNEUMATIC SEEDERS FERTILIZER EDITION PS D

PS 120 D / PS 200 D / PS 300 D



ADVANTAGES

- Special sealing and corrosion-resistant production (CDC coating) for the application of fertilizers, micro-granulates, pesticides and also cover crops
- Precise spreading, independent of the wind
- Easy operation with ISOBUS is possible
- Ground speed-related seed rate application¹ & headland management (with sensors)

TECHNICAL DATA

	PS 120 D	PS 200 D	PS 300 D
Working width	3 - 20 ft (1-6m) with electric double fan, 8 outlets 3 - 20 ft (1-6m) with electric fan PLUS , 8 outlets 3 - 20 ft (1-6m) with hydraulic fan, 8 outlets 3-40 ft (1-12m) with electric fan PLUS , 16 outlets (optional) 3-40 ft (1-12m) with hydraulic fan, 16 outlets (optional) (8 outlets with 8 Y-dividers (see page 74) or doubling pieces (see page 53) available as accessories) Hydraulic PS can be combined with Distribution Head (s. page 54)		
Dimensions	See page 78		
Hopper (plastic)	4.2 cu ft / 3.4 U.S.bsh. (120l)	7 cu ft / 5.7 U.S.bsh. (200l)	10.5 cu ft / 8.5 U.S.bsh. (300l)
Net weight	See page 78		
Power data for electric fan	12 V / 25 A		
Power data for elec. fan PLUS	Fan: 12 V / 40 A Seeding shaft drive: 12 V / 10 A		
Power data for hydraulic fan	max. required oil quantity: 10 US gpm (38l/min)		

⚠ If equipped with a Hydraulic fan, you need one single-acting control unit (size BG 3) and one free return size 4 coupling (BG 4), without reduction, (**max 5 bar return pressure**) and pressureless overflow line to case drain, (size BG 3).

⚠ The power supply for the electric fan PLUS comes directly from the battery. The cable set for this is supplied with the **electric fan PLUS**. **Make sure that the power of the alternator of the towing vehicle is sufficient.**

⚠ **Available with ISOBUS!**

STANDARD SCOPE OF DELIVERY

- Complete corrosion-resistant seeder with hose system (82 ft (25 m))
- Seeding shaft for fine seed (fine seeds, micro granulates, etc.) and the Flex20 seeding shaft for coarse seeds (fertilizer, cereals, etc.) can be found on page 59
- Agitator and standard parts made of stainless steel
- 20 ft (6m) cable from the seeder to the Control Box
- Corrosion-resistant calibration slide, calibration bag, counter plate (galvanised), seed scale
- Fan monitoring with fan speed sensor for hydraulic fan
- 8 stainless steel dispersion plates and 4 hexagonal bars à 4 ft (1.2m) (for dispersion plate installation)

ITEM NO.	PNEUMATIC SEEDERS FERTILIZER EDITION	
04031-6-021	PS 120 D electric fan	\$ 7,333.00
04031-6-116	PS 120 D electric fan PLUS ²	\$ 9,278.00
04032-6-020	PS 200 D electric fan	\$ 7,957.00
04032-6-100	PS 200 D electric fan PLUS ²	\$ 9,911.00
04032-6-036	PS 200 D hydraulic fan	\$ 12,237.00
04033-6-021	PS 300 D electric fan	\$ 8,535.00
04033-6-133	PS 300 D electric fan PLUS ²	\$ 10,481.00
04033-6-056	PS 300 D hydraulic fan	\$ 12,806.00

⚠ You need a suitable Control Box!

ITEM NO.	TOP SELLER INCL. ISOBUS	
04033-6-001017	PS 300 D electric fan + ISOBUS	\$ 11,716.00
04033-6-232	PS 300 D electric fan PLUS + ISOBUS	\$ 12,759.00
04033-6-233	PS 300 D hydraulic fan + ISOBUS	\$ 15,078.00

ITEM NO.	CONTROL BOXES ³	
00300-2-201	Control Box 1.2	\$ 987.00
00300-2-042	Control Box 5.2	\$ 1,941.00
00300-2-214	Control Box 6.2	\$ 3,382.00
Configuration upon request	ISOBUS electric fan	\$ 3,186.00
Configuration upon request	ISOBUS electric fan PLUS	\$ 2,292.00
Configuration upon request	ISOBUS hydraulic fan	\$ 2,292.00

ITEM NO.	ACCESSORIES	
00410-2-185	Calibration button ¹	\$ 174.00
04000-2-269	Fill level sensor conversion kit	\$ 456.00
00410-2-148	Extension cable PS MX 6.6 ft (2m)	\$ 218.00
00410-2-149	Extension cable PS MX 16.4 ft (5m)	\$ 294.00
00410-2-150	Extension cable PS MX 46 ft (14m)	\$ 441.00
04100-2-004	Power supply extension cable for fan PLUS (6.6 ft (2m))	\$ 308.00
04100-2-014	Power supply extension cable for fan PLUS (16.4 ft (5m))	\$ 356.00
04100-2-002	Cable set for fan PLUS (for the power supply on another tractor)	\$ 410.00
04000-2-114	Top link bracket incl. top link PS 120–PS 500	\$ 571.00

You can find additional accessories for Pneumatic Seeders and the speed sensors¹ on pages 70–76.

¹ Cannot be used with Control Box 1.2

² You need the most recent software version for the Control Box.

³ Details on the functions of the various Control Boxes (incl. retrofit kits) and ISOBUS can be found on the pages 62-66.

PNEUMATIC SEEDERS FERTILIZER EDITION PS D

PS 500 D

ADVANTAGES

- Special sealing and corrosion-resistant production (CDC coating) for the application of fertilizers, micro-granulates, pesticides and also cover crops
- Precise spreading, independent of the wind
- Easy operation with ISOBUS is possible
- Ground speed-related seed rate application¹ & headland management (with sensors)

TECHNICAL DATA

	PS 500 D
Working width	3 - 20 ft (1-6m) with electric double fan, 8 outlets 3 - 20 ft (1-6m) with electric fan PLUS , 8 outlets 3 - 20 ft (1-6m) with hydraulic fan, 8 outlets 3-40 ft (1-12m) with electric fan PLUS , 16 outlets (optional) 3-40 ft (1-12m) with hydraulic fan, 16 outlets (optional) (8 outlets with 8 Y-dividers (see page 74) or doubling pieces (see page 53) available as accessories) Hydraulic PS can be combined with Distribution Head (s. page 54)
Dimensions	See page 78
Hopper (plastic)	17.7 cu ft / 14.2 U.S.bsh. (500l)
Net weight	See page 78
Power data for electric fan	12 V / 25 A
Power data for elec. fan PLUS	Fan: 12 V / 40 A Seeding shaft drive: 12 V / 10 A
Power data for hydraulic fan	max. required oil quantity: 10 US gpm (38l/min)

▲ If equipped with a Hydraulic fan, you need one single-acting control unit (size BG 3) and one free return size 4 coupling (BG 4), without reduction, (**max 5 bar return pressure**) and pressureless overflow line to case drain, (size BG 3).

▲ The power supply for the electric fan PLUS comes directly from the battery. The cable set for this is supplied with the **electric fan PLUS. Make sure that the power of the alternator of the towing vehicle is sufficient.**

▲ **Available with ISOBUS!**

STANDARD SCOPE OF DELIVERY

- Complete corrosion-resistant seeder with hose system (82 ft (25 m))
- Seeding shaft for fine seed (fine seeds, micro granulates, etc.) and the Flex20 seeding shaft for coarse seeds (fertilizer, cereals, etc.) can be found on page 59
- Agitator and standard parts made of stainless steel
- 20 ft (6m) cable from the seeder to the Control Box
- Corrosion-resistant calibration slide, calibration bag, counter plate (galvanized), seed scale, fill level sensor
- Fan monitoring with fan speed sensor for hydraulic fan
- 8 stainless steel dispersion plates and 4 hexagonal bars à 4 ft (1.2m) (for dispersion plate installation)



ITEM NO.	PNEUMATIC SEEDERS FERTILIZER EDITION		
04034-6-025	PS 500 D electric fan	\$	10,726.00
04034-6-105	PS 500 D electric fan PLUS ²	\$	12,672.00
04034-6-054	PS 500 D hydraulic fan	\$	14,991.00

▲ You need a suitable Control Box!

ITEM NO.	TOP SELLER INCL. ISOBUS		
04034-6-001007	PS 500 D electric fan + ISOBUS	\$	13,920.00
04034-6-174	PS 500 D electric fan PLUS + ISOBUS	\$	14,966.00
04034-6-175	PS 500 D hydraulic fan + ISOBUS	\$	17,285.00

ITEM NO.	CONTROL BOXES ³		
00300-2-201	Control Box 1.2	\$	987.00
00300-2-042	Control Box 5.2	\$	1,941.00
00300-2-214	Control Box 6.2	\$	3,382.00
Configuration upon request	ISOBUS electric fan	\$	3,186.00
Configuration upon request	ISOBUS electric fan PLUS	\$	2,292.00
Configuration upon request	ISOBUS hydraulic fan	\$	2,292.00

ITEM NO.	ACCESSORIES		
00410-2-185	Calibration button ¹	\$	174.00
00410-2-148	Extension cable PS MX 6.6 ft (2m)	\$	218.00
00410-2-149	Extension cable PS MX 16.4 ft (5m)	\$	294.00
00410-2-150	Extension cable PS MX 46 ft (14m)	\$	441.00
04100-2-004	Power supply extension cable for fan PLUS (6.6 ft (2m))	\$	308.00
04100-2-014	Power supply extension cable for fan PLUS (16.4 ft (5m))	\$	356.00
04100-2-002	Cable set for fan PLUS (for the power supply on another tractor)	\$	410.00
04000-2-114	Top link bracket incl. top link PS 120-PS 500	\$	571.00

You can find additional accessories for Pneumatic Seeders and the speed sensors¹ on pages 70-76.

¹ Cannot be used with Control Box 1.2

² You need the most recent software version for the Control Box.

³ Details on the functions of the various Control Boxes (incl. retrofit kits) and ISOBUS can be found on the pages 62-66.

PNEUMATIC SEEDERS FERTILIZER EDITION PS D

PS 800 D

ADVANTAGES

- Special sealing and corrosion-resistant production (CDC coating) for the application of fertilizers, micro-granulates, pesticides and also cover crops
- Precise spreading, independent of the wind
- Row-dependent dosing of fertilizer/microgranulate on existing seed drills
- Easy operation with ISOBUS is possible
- Ground speed-related seed rate application & headland management (with sensors)
- Large discharge port for quick emptying of the tank

TECHNICAL DATA

	PS 800 D
Working width	9 - 39 ft (3-12m) with hydraulic fan, 16 outlets 9 - 39 ft (3-12m) with hydraulic fan, 32 outlets (optional) (16 outlets with 16 Y-dividers (see page 74) or doubling pieces (see page 53) available as accessories) Hydraulic PS can be combined with Distribution Head (s. page 54)
Dimensions	See page 78
Hopper (steel)	28.3 cu ft / 23 U.S. bsh. (800 l)
Net weight	See page 78
Power data	12 V / 25 A
Power data for hydraulic fan	max. required oil quantity: 10 US gpm (38l/min)

▲ If equipped with a Hydraulic fan, you need one single-acting control unit (size BG 3) and one free return size 4 coupling (BG 4), without reduction, (**max 5 bar return pressure**) and pressureless overflow line to case drain, (size BG 3).

▲ Available with ISOBUS!

STANDARD SCOPE OF DELIVERY

- Complete corrosion-resistant seeder with hose system (246 ft (75m))
- Seeding shaft for fine seed (fine seeds, micro granulates, etc.) and the Flex20 seeding shaft for coarse seeds (fertilizer, cereals, etc.) can be found on page 59
- Agitator and standard parts made of stainless steel
- 20 ft (6m) cable from the seeder to the Control Box
- Corrosion-resistant calibration slide, calibration bag, seed scale, fill level sensor
- Fan monitoring by means of a fan speed sensor
- 16 stainless steel dispersion plates and 8 hexagonal bars à 4 ft (1.2m) (for dispersion plate installation)
- Crane straps for easier handling when mounting
- Foreign object sieve



ITEM NO.	PNEUMATIC SEEDER FERTILIZER EDITION	
04054-6-005	PS 800 D hydraulic fan	\$ 21,263.00

▲ You need a suitable Control Box!

ITEM NO.	TOP SELLER INCL. ISOBUS	
04054-6-119	PS 800 D hydraulic fan + ISOBUS	\$ 23,597.00

ITEM NO.	CONTROL BOXES ¹	
00300-2-042	Control Box 5.2	\$ 1,941.00
00300-2-214	Control Box 6.2	\$ 3,382.00
Configuration upon request	ISOBUS	\$ 2,243.00

ITEM NO.	ACCESSORIES	
00410-2-185	Calibration button	\$ 174.00
00410-2-148	Extension cable PS MX 6.6 ft (2m)	\$ 218.00
00410-2-149	Extension cable PS MX 16.4 ft (5m)	\$ 294.00
00410-2-150	Extension cable PS MX 46 ft (14m)	\$ 441.00
00410-2-022	Tractor cable set (26 ft (8m)) ²	\$ 468.00

You can find additional accessories for Pneumatic Seeders and the speed sensors on pages 70–76.

¹ Details on the functions of the various Control Boxes (incl. retrofit kits) and ISOBUS can be found on the pages 62-66.

² Suitable for Control Boxes 1.2, 5.2, 6.2

PNEUMATIC SEEDERS FERTILIZER EDITION PS D

PS 1600 D

ADVANTAGES

- Special sealing and corrosion-resistant production (CDC coating) for the application of fertilizers, micro-granulates, pesticides and also cover crops
- Precise spreading, independent of the wind
- Row-dependent dosing of fertilizer/microgranulate on existing seed drills
- Easy operation with ISOBUS is possible
- Large container volume saves time due to fewer filling processes
- Large discharge port for quick emptying of the tank
- Ground speed-related seed rate application & headland management (with sensors)

TECHNICAL DATA

	PS 1600 D
Working width	9 - 39 ft (3-12m) with hydraulic fan, 16 outlets 9 - 39 ft (3-12m) with hydraulic fan, 32 outlets (optional) (16 outlets with 16 Y-dividers (see page 74) or doubling pieces (see page 53) available as accessories) Hydraulic PS can be combined with Distribution Head (s. page 54)
Dimensions	See page 78
Hopper (steel)	56.6 cu ft / 45 U.S. bsh. (1,600l)
Net weight	See page 78
Power data	12 V / 25 A
Power data for hydraulic fan	max. required oil quantity: 10 US gpm (38l/min)

⚠ If equipped with a Hydraulic fan, you need one single-acting control unit (size BG 3) and one free return size 4 coupling (BG 4), without reduction, (**max 5 bar return pressure**) and pressureless overflow line to case drain, (size BG 3).

⚠ Available with ISOBUS!

STANDARD SCOPE OF DELIVERY

- Complete corrosion-resistant seeder with hose system (246 ft (75m))
- Seeding shaft for fine seed (fine seeds, micro granulates, etc.) and the Flex20 seeding shaft for coarse seeds (fertilizer, cereals, etc.) can be found on page 59
- Agitator and standard parts made of stainless steel
- 20 ft (6m) cable from the seeder to the Control Box
- Corrosion-resistant calibration slide, calibration tray, seed scale, fill level sensor
- Fan monitoring by means of a fan speed sensor
- 16 stainless steel dispersion plates and 8 hexagonal bars à 4 ft (1.2m) (for dispersion plate installation)
- Crane straps for easier handling when mounting
- Foreign object sieve



ITEM NO.	PNEUMATIC SEEDER FERTILIZER EDITION	
04105-6-012	PS 1600 D hydraulic fan ¹	\$ 29,945.00

⚠ You need a suitable Control Box!

ITEM NO.	TOP SELLER INCL. ISOBUS	
04105-6-013	PS 1600 D hydraulic fan + ISOBUS	\$ 32,305.00

ITEM NO.	CONTROL BOXES ²	
00300-2-042	Control Box 5.2	\$ 1,941.00
00300-2-214	Control Box 6.2	\$ 3,382.00
Configuration upon request	ISOBUS	\$ 2,243.00

ITEM NO.	ACCESSORIES	
00410-2-185	Calibration button	\$ 174.00
00410-2-148	Extension cable PS MX 6.6 ft (2m)	\$ 218.00
00410-2-149	Extension cable PS MX 16.4 ft (5m)	\$ 294.00
00410-2-150	Extension cable PS MX 46 ft (14m)	\$ 441.00
00410-2-022	Tractor cable set (26 ft (8m)) ³	\$ 468.00

You can find additional accessories for Pneumatic Seeders and the speed sensors on pages 70–76.

PNEUMATIC SEEDERS FERTILIZER EDITION PS D WITH IMPLEMENT CARRIER

PS 1600 D + MT2

ADVANTAGES

- Precise spreading, independent of the wind
- Flexible use, as the Seeder does not need to be mounted directly on the implement
- Easy operation with ISOBUS is possible
- Exact lateral distribution over the whole working width
- Seeding combination with different mounted implements (cultivator, disc harrow, roller, strip till coulters, etc.)
- Ground speed-related seed rate application & headland management (with sensors)
- The axle loads and weights are optimized!
- Pulling force increase because the weight is exerted on the towing vehicle

TECHNICAL DATA

	PS 1600 D + MT2
Working width	9 - 39 ft (3-12m) with hydraulic fan, 16 outlets 9 - 39 ft (3-12m) with hydraulic fan, 32 outlets (optional) (16 outlets with 16 Y-dividers (see page 74) or doubling pieces (see page 53) available as accessories) Hydraulic PS can be combined with Distribution Head (s. page 54)
Dimensions	see page 78
Seed hopper (steel)	56.6 cu ft / 45 U.S. bsh. (1,600l)
Net weight	see page 78
Power data	12 V / 25 A
Power data for hydraulic fan	max. required oil quantity: 10 US gpm (38l/min)

⚠ If equipped with a Hydraulic fan, you need one single-acting control unit (size BG 3) and one free return size 4 coupling (BG 4), without reduction, (**max 5 bar return pressure**) and pressureless overflow line to case drain, (size BG 3).

⚠ Available with ISOBUS!

STANDARD SCOPE OF DELIVERY

- Complete corrosion-resistant seeder with hose system (246 ft (75m))
- Seeding shaft for fine seed (fine seeds, micro granulates, etc.) and the Flex20 seeding shaft for coarse seeds (fertilizer, cereals, etc.) can be found on page 59
- Agitator and standard parts made of stainless steel
- 20 ft (6m) cable from the seeder to the Control Box
- Corrosion-resistant calibration slide, calibration tray, seed scale, fill level sensor
- Fan monitoring by means of a fan speed sensor
- 16 stainless steel dispersion plates and 8 hexagonal bars à 1.2 m (for dispersion plate installation)
- Platform
- Foreign object sieve



ITEM NO.	PNEUMATIC SEEDERS FERTILIZER EDITION	
04108-1-002	PS 1600 D hydraulic fan + Implement Carrier catch hook CAT 3	\$ 38,490.00

⚠ You need a suitable Control Box!

ITEM NO.	TOP SELLER INCL. ISOBUS	
04050-6-110	PS 1600 D hydraulic fan + Implement Carrier catch hook CAT 3 + ISOBUS	\$ 39,025.00

ITEM NO.	CONTROL BOXES ¹	
00300-2-042	Control Box 5.2	\$ 1,941.00
00300-2-214	Control Box 6.2	\$ 3,382.00
Configuration upon request	ISOBUS	\$ 2,355.00

ITEM NO.	ACCESSORIES	
00410-2-185	Calibration button	\$ 174.00
00410-2-148	Extension cable PS MX 6.6 ft (2m)	\$ 218.00
00410-2-149	Extension cable PS MX 16.4 ft (5m)	\$ 294.00
00410-2-150	Extension cable PS MX 46 ft (14m)	\$ 441.00
00410-2-022	Tractor cable set 8 m ²	\$ 468.00

Additional equipment of the implement carrier on page 78

You can find additional accessories for Pneumatic Seeders and the speed sensors on pages 70–76.

¹ Details on the functions of the various Control Boxes (incl. retrofit kits) and ISOBUS can be found on the pages 62-66.

² Suitable for Control Boxes 1.2, 5.2, 6.2

PNEUMATIC SEEDERS FERTILIZER EDITION PS D

XD 4200

ADVANTAGES

- Special sealing and corrosion-resistant production (CDC coating) for the application of fertilizers, micro-granulates, pesticides and also cover crops
- Precise spreading, independent of the wind
- Exact lateral distribution over the whole working width
- Ground speed-related seed rate application & headland management (with sensors)
- Half width control with ISOBUS
- Section Control, Variable Rate Control and Rate per Section
- Realises large quantities paired with a large working width
- Particularly suitable for sprayer booms up to 118 ft (36 m) working width
- Quick seeding shaft change even when the hopper is full

TECHNICAL DATA

	XD 4200
Working width	up to 118 ft (36 m) with piping
Dimensions closed with platform kit (HxWxD)	74.8 x 72.8 x 116.1 in (1,900 x 1,850 x 2,950 mm)
Dimensions closed without platform kit (HxWxD)	74.8 x 72.8 x 96.5 in (1,900 x 1,850 x 2,450 mm)
Dimensions with open lid with platform kit (HxWxD)	106.3 x 72.8 x 116.1 in (2,700 x 1,850 x 2,950 mm)
Hopper	119.2 U.S.bsh (4,200 l) steel hopper with CDC coating
Metering units	2 units
Outlets	24 outlets as standard (12 outlets per dosing unit)
Outlets diameter	2 inches (50 mm)
Platform for mounting with contra plate (WxD)	61.8 x 68.1 in (1,570 x 1,730 mm)
Net weight	2,381 lbs (1,080 kg)
Power data electrical	12 V / 45 A
Power data hydraulical max.	max. 200 bar – 33 gal/min (125 l/min)
Application rate	up to 22-441 lbs/min (10-200 kg/min)
Max. hose/pipe length	66 ft (20 m) with 2.5 inch (63.5 mm) tubes

⚠ You need two single-acting control units (size BG 3) and one free return size 4 coupling (BG 4), without reduction, (max 5 bar return pressure) and pressureless overflow line to case drain, (size BG 3).



STANDARD SCOPE OF DELIVERY

- Seeding shaft for fine seed 11.7 cui (192 ccm) and seeding shaft for coarse seed 59 cui (960 ccm)
- 1 fill level sensor per metering unit
- 2 calibration buttons
- Foreign object sieve
- Platform kit, mounting plates
- 24 outlets with 2 in (50 mm) diameter
- 24 dispersion plates with 2 in (50 mm) hose inlets

ITEM NO.	PNEUMATIC SEEDER	
15002-1-002	XD 4200 ISOBUS	\$ 104,965.00

⚠ You need a Control Box 5.7!

ITEM NO.	CONTROL BOX	
00300-2-445	Set ProfiControl InCab (If ISOBUS is available → ProfiControl is used as an additional monitor)	\$ 2,691.00
00300-2-459	Set ProfiControl ISOBUS XD (If there is NO ISOBUS equipment on the towing vehicle)	\$ 3,776.00

ITEM NO.	ACCESSORIES	
00300-2-053	Sensor set: GPSa sensor + linkage sensor top link	\$ 2,101.00
00300-2-095	Sensor set: GPSa sensor + linkage sensor pull switch	\$ 2,125.00
00300-2-346	Sensor set: GPSa sensor + linkage sensor hydraulic system	\$ 824.00
00410-2-266	7-pin signal cable	\$ 293.00
00410-2-151	Extension cable for sensors 6.6 ft (2m)	\$ 277.00
00410-2-152	Extension cable for sensors 16.4 ft (5m)	\$ 354.00
15000-2-224	Seeding shaft 1880 ccm for high application rates ¹ (2 pieces necessary)	\$ 902.00

You can find the speed sensors on pages 70-72.

¹ For applications from 330 - 440 lbs/min (150-200 kg/min)

PNEUMATIC SEEDERS FERTILIZER EDITION SMART TWIN

SMART TWIN 120 / 200 / 300 / 500



ADVANTAGES

- Easy operation with ISOBUS
- **Section Control:** Automatic seeding shaft switch-off depending on the GPS position
- **Variable Rate Control:** Application rate is controlled depending on an **application map**
- Special sealing and corrosion-resistant production (CDC coating) for the application of fertilizers, micro-granulates, pesticides and also cover crops
- Mechanical air flow regulation per seed
- Ground speed-related seed rate application & headland management (with sensors)

TECHNICAL DATA

	SMART TWIN 120	SMART TWIN 200	SMART TWIN 300	SMART TWIN 500
Working width	3 - 20 ft (1-6m) with electric double fan, 8 outlets 3 - 20 ft (1-6m) with electric fan PLUS , 8 outlets 3 - 20 ft (1-6m) with hydraulic fan, 8 outlets 3-40 ft (1-12m) with electric fan PLUS , 16 outlets (optional) 3-40 ft (1-12m) with hydraulic fan, 16 outlets (optional) (8 outlets with 8 Y-dividers (see page 74) or doubling pieces (see page 53) available as accessories) Hydraulic PS can be combined with Distribution Head (s. page 54)			
Dimensions	See page 78			
Seed hopper (plastic)	4.2 cu ft / 3.4 U.S.bsh. (120l)	7 cu ft / 5.7 U.S.bsh. (200l)	10.5 cu ft / 8.5 U.S.bsh. (300l)	17.7 cu ft / 14 U.S.bsh. (500l)
Net weight	See page 78			
Power data for electric fan	12 V / 25 A			
Power data for elec. fan PLUS	Fan: 12 V / 40 A Seeding shaft drive: 12 V / 10 A			
Power data for hydraulic fan	max. required oil quantity: 10 US gpm (38l/min)			

▲ If equipped with a hydraulic fan, you need one single-acting control unit (size BG 3) and one free return size 4 coupling (BG 4), without reduction, (**max 5 bar return pressure**) and pressureless overflow line to case drain, (size BG 3).

▲ **Only available with ISOBUS!**

STANDARD SCOPE OF DELIVERY

- Complete seeder with hose system (82 ft (25 m))
- 20 ft (6m) ISOBUS cable from the seeder
- Seeding shaft for fine seed (fine seeds, micro granulates, etc.) and the Flex20 seeding shaft for coarse seeds (fertilizer, cereals, etc.) can be found on page 59
- Corrosion-resistant calibration slide, 2 calibration bags, seed scale, counter plate (galvanized)
- 8 stainless steel dispersion plates and 4 hexagonal bars à 1.2 m (for dispersion plate installation)
- Fan monitoring with fan speed sensor for hydraulic fan
- Fill level sensor



ITEM NO.	PNEUMATIC SEEDERS FERTILIZER EDITION SMART TWIN	
04111-6-017	SMART TWIN 120 electric fan	\$ 12,098.00
04111-6-018	SMART TWIN 120 electric fan PLUS	\$ 13,207.00
04111-6-019	SMART TWIN 200 electric fan	\$ 12,284.00
04111-6-020	SMART TWIN 200 electric fan PLUS	\$ 13,394.00
04111-6-021	SMART TWIN 200 hydraulic fan	\$ 15,023.00
04111-6-022	SMART TWIN 300 electric fan	\$ 12,447.00
04111-6-023	SMART TWIN 300 electric fan PLUS	\$ 13,557.00
04111-6-024	SMART TWIN 300 hydraulic fan	\$ 15,186.00
04111-6-025	SMART TWIN 500 electric fan	\$ 13,774.00
04111-6-026	SMART TWIN 500 electric fan PLUS	\$ 14,876.00
04111-6-027	SMART TWIN 500 hydraulic fan	\$ 16,505.00

▲ If there is no ISOBUS on the towing vehicle, a ProfiControl is required!

ITEM NO.	CONTROL BOXES ¹	
00300-2-443	Set ProfiControl electric & hydraulic fan	\$ 2,992.00
00300-2-444	Set ProfiControl electric fan PLUS	\$ 3,735.00
00300-2-445	Set ProfiControl InCab ²	\$ 2,691.00
00300-2-446	Set ProfiControl electric fan PLUS (power supply via 2x 3-pin socket)	\$ 3,102.00

ITEM NO.	ACCESSORIES	
00410-2-185	Calibration button ¹	\$ 174.00
04000-2-114	Top link bracket incl. top link PS 120–PS 500	\$ 571.00
00410-2-266	7-pin signal cable for ProfiControl	\$ 293.00
00600-3-738	RAM-C support arm	\$ 84.00

You can find additional accessories for Pneumatic Seeders and the speed sensors¹ on pages 70–76.

¹ Details on the functions of ISOBUS and ProfiControl can be found on the pages 66-68.

² If ISOBUS is available on the tractor and ProfiControl is used as an additional terminal

PNEUMATIC SEEDER TWIN

PS 300 D TWIN / PS 500 D TWIN

ADVANTAGES

- Special sealing and corrosion-resistant production (CDC coating) for the application of fertilizers, micro-granulates, pesticides and also cover crops
- Application of two different types of grit possible – PS 500 D TWIN: 70:30 or 50:50 split selectable
- Easy operation with ISOBUS is possible
- Mechanical air flow regulation per seed
- Ground speed-related seed rate application & headland management (with sensors)

TECHNICAL DATA

	PS 300 D TWIN	PS 500 D TWIN
Working width	3 - 10 ft (1-3m) with electric double fan, 4 outlets per seeding shaft 3 - 10 ft (1-3m) with electric fan PLUS , 4 outlets per seeding shaft 3 - 10 ft (1-3m) with hydraulic fan, 4 outlets per seeding shaft 3 - 20 ft (1-6m) with electric fan PLUS , 8 outlets per seeding shaft 3 - 20 ft (1-6m) with hydraulic fan, 8 outlets per seeding shaft (8 outlets with 8 Y-dividers (see page 74) or doubling pieces (see page 53) available as accessories) Hydraulic PS can be combined with Distribution Head (s. page 54)	
Dimensions	See page 78	
Tank (steel with tank divider)	10.5 cu ft / 8.5 U.S.bsh. (300l) (divided 5.3 cu ft / 4.3 U.S.bsh. // 5.3 cu ft / 4.3 U.S.bsh. (150 l : 150 l))	17.7 cu ft / 14.2 U.S.bsh. (500l) (divided 8.9 cu ft / 7.1 U.S.bsh. // 8.9 cu ft / 7.1 U.S.bsh. (250:250 l) and 12.3 cu ft / 10 U.S.bsh. // 5.3 cu ft / 4.3 U.S.bsh. (350:150 l) possible, depending on partition)
Net weight	See page 78	
Power data for electric fan	12 V / max. 40 A	
Power data for elec. fan PLUS	Fan: 12 V / 40 A Seeding shaft drive: 12 V / 15 A	
Power data for hydraulic fan	max. required oil quantity: 10 US gpm (38l/min)	

▲ If equipped with a Hydraulic fan, you need one single-acting control unit (size BG 3) and one free return size 4 coupling (BG 4), without reduction, (**max 5 bar return pressure**) and pressureless overflow line to case drain, (size BG 3).

▲ The power supply for Control Box 5.7 comes directly from the battery. The cable set for this is supplied. **Make sure that the power of the alternator of the towing vehicle is sufficient.**

▲ **Available with ISOBUS!**

STANDARD SCOPE OF DELIVERY

- Complete corrosion-resistant seeder with hose system (82 ft (25 m))
- Seeding shaft for fine seed (fine seeds, micro granulates, etc.) and the Flex20 seeding shaft for coarse seeds (fertilizer, cereals, etc.) can be found on page 59
- 20 ft (6m) cable from the seeder to the Control Box
- Calibration slide, counter plate (galvanised)
- 8 stainless steel dispersion plates and 4 hexagonal bars à 4 ft (1.2m) (for dispersion plate installation)
- 2x calibration bag, seed scale
- Fan monitoring with fan speed sensor for hydraulic fan
- 2x fill level sensor (1x per hopper half)



ITEM NO.	PNEUMATIC SEEDER FERTILIZER TWIN	
04042-6-010	PS 300 D TWIN electric fan (split 50/50)	\$ 10,290.00
04042-6-054	PS 300 D TWIN electric fan PLUS ¹ (split 50/50)	\$ 12,238.00
04042-6-024	PS 300 D TWIN hydraulic fan (split 50/50)	\$ 13,867.00
04043-6-000	PS 500 D TWIN electric fan (split 70/30) ²	\$ 11,330.00
04043-6-001	PS 500 D TWIN electric fan PLUS ¹ (split 70/30) ²	\$ 13,277.00
04043-6-002	PS 500 D TWIN hydraulic fan (split 70/30) ²	\$ 14,907.00

▲ You need a suitable Control Box!

ITEM NO.	TOP SELLER INCL. ISOBUS	
04042-6-123	PS 300 D TWIN electric fan + ISOBUS	\$ 14,200.00
04042-6-056	PS 300 D TWIN hydraulic fan + ISOBUS	\$ 16,886.00
04043-6-003	PS 500 D TWIN electric fan PLUS + ISOBUS	\$ 16,296.00
04043-6-004	PS 500 D TWIN hydraulic fan + ISOBUS	\$ 17,926.00

ITEM NO.	CONTROL BOXES ³	
00300-2-362	Control Box 5.7 for electric fan	\$ 2,465.00
00300-2-367	Control Box 5.7 for electric fan PLUS and hydr. fan	\$ 2,463.00
Configuration upon request	ISOBUS electric fan	\$ 3,719.00
Configuration upon request	ISOBUS electric fan PLUS	\$ 2,868.00
Configuration upon request	ISOBUS hydraulic fan	\$ 2,868.00

ITEM NO.	ACCESSORIES	
00410-2-185	Calibration button	\$ 174.00
04000-2-114	Top link bracket incl. top link PS 120–PS 500	\$ 571.00
04100-2-004	Power supply extension cable for fan PLUS (6.6 ft (2m))	\$ 308.00
04100-2-014	Power supply extension cable for fan PLUS (16.4 ft (5m))	\$ 356.00
04100-2-002	Cable set for fan PLUS (for the power supply on another tractor)	\$ 410.00
04000-2-845	Foreign object sieve (1 unit is required for each hopper half), price per unit	\$ 187.00

You can find additional accessories for Pneumatic Seeders and the speed sensors on pages 70–76.

¹ You need the most recent software version for the Control Box.

² 50/50 split: configuration on request

³ Details on the functions of the various Control Boxes and ISOBUS (incl. retrofit kits) can be found on the pages 62-66.

PNEUMATIC SEEDERS FOR SPECIAL APPLICATIONS

DOUBLING OF OUTLETS TO 9–16 OR 32 OUTLETS



IDEAL FOR

- Row-dependent seeding on 9–16 outlets with the PS 120–500
- Row-dependent seeding of 2 different seed types on 8 outlets each with the PS 300-500 D TWIN
- Row-dependent seeding on 32 outlets with the PS 800–PS 1600
- Ideal for the PS 200–500 and SMART TWIN with hydr. fan with a working width of 23 - 39 ft (7-12m) for grass seed, clover and other small seeds in small quantities (instead of the Y-divider)
- Ideal for the PS 300-500 TWIN with a working width of up to 20 ft (6m) with 2 different seed types (grass seed, clover and other fine seeds in small quantities)

NOT SUITABLE FOR

- Large and heavy seeds (e.g. peas, beans, etc.)

SELECTION OF THE FAN TYPE

Calculate the spread rate per minute and using this value, find out whether you need a Pneumatic Seeder with an electric fan, electric fan PLUS or hydraulic fan.

$$\frac{\text{Seed Quantity (lbs/per acre)} \times \text{Speed (mph)} \times \text{Working Width (ft)}}{495} = \text{lbs/min}$$

Max. lbs/min (kg/min)	0 - 5,5 lbs/min. (0 - 2,5 kg/min.)	• 0 - 18 lbs/min. (0 - 8 kg/min.) for grass • 0-18 lbs/min. (0 - 8 kg/min.) for white mustard, clover	• 0 - 18 lbs/min. (0 - 8 kg/min.) for grass • 0 - 31 lbs/min. (0 - 14 kg/min.) for white mustard, clover	• 0 - 33 lbs/min. (0 - 15 kg/min.) for grass • 0 - 66 lbs/min. (0 - 30 kg/min.) for white mustard, clover
Suitable seeder	PS / SMART TWIN 120–500 with elec. fan	PS / SMART TWIN 120–500 with elec. fan PLUS	PS / SMART TWIN 200–500 with hydr. fan	PS 800–1600 with hydr. fan

SELECTION OF THE RIGHT HOSE LENGTH

Max. hose length	13 ft (4m)	26 ft (8m)	33 ft (10m)
Suitable seeder	PS / SMART TWIN 120– 500 with elec. fan	PS / SMART TWIN 200–500 with elec. fan PLUS and hydr. fan	PS 800–1600 with hydr. fan

CONVERSION KITS FOR SPECIAL APPLICATIONS

The conversion kits can be ordered ONLY when purchasing a "Standard" or "Fertilizer Edition" Pneumatic Seeder.

⚠ They are installed directly at the APV factory and cannot be retrofitted afterwards!

DOUBLING THE OUTLETS

16 (PS / SMART TWIN 120–500) OR 32 (PS 800–1600) OUTLETS

ITEM NO.	SURCHARGES	
Configuration upon request	Surcharge, PS 120–500, 16 outlets	\$ 1.009.00
	Surcharge, PS 800–1600, 32 outlets	\$ 2.123.00
Configuration upon request	Surcharge PS fertilizer / SMART TWIN 120–500 & PS 300–500 D TWIN, 16 outlets	\$ 775.00
	Surcharge PS 800–1600 fertilizer, 32 outlets	\$ 1.784.00

EXTENDED SCOPE OF DELIVERY FOR YOUR PS

- Transition pieces (1 to 2 outlets)
- Seeding shafts (fb-f and Flex20) (instead of standard seeding shafts)
- Sealing lip, clamping plate
- Additional 8 units (PS / SMART TWIN 120-500) or 16 units (PS 800-1600) dispersion plates
- Additional 1 roll of hose (82 ft (25m)) (PS / SMART TWIN 120-500) or 3 rolls of hose (246 ft (75m)) (PS 800-1600)

INDIVIDUAL NUMBER OF OUTLETS

9–16 OUTLETS (PS 120–500)

For the configuration of the "PS configured" Pneumatic Seeder, please contact your APV sales representative; we are happy to respond to your special requests!

⚠ For the configured PS, you can select from:

- What hopper size is required for the Pneumatic Seeder?
- Number of outlets
- With or without hose
- With or without dispersion plates
- With or without hexagonal bar or counter plate
- Which seeding shafts?

DISTRIBUTION HEAD

12 / 24 / 32 / 36 / 48 OUTLETS

The APV Distribution Head offers greater flexibility in the number of outlets. It also extends the application range of Pneumatic Seeders. The accurate metering of the proven APV seeders is maintained. The Distribution Head also takes up less space than a Pneumatic Seeder, allowing the seeder to be mounted on the front of the tractor or on the machine's drawbar, for example. The Distribution Head can also be used for fertilizer due to its corrosion resistance.

TECHNICAL DATA

	DISTRIBUTION HEAD
Working width	3 - 79 ft (1-24m) (1 Distribution Head for maximum 20 ft (6m) working width)
Diameter of riser pipe and PS outlet	2.95 or 4 in (75mm or 110mm)
Diameter of the outlets	12; 24; 32; 36 outlets: 1 in (25 mm) 48 outlets: 3/4 in (19 mm)
Dimensions	H 31.5 in / W 11 - 23 in (H 800mm / W 270-580 mm))
Required fan type of the PS	hydraulic

▲ One single-acting control unit and pressureless return required for Pneumatic Seeders!

▲ For 64 outlets, 2x32 Distribution Heads are used (only for PS 800-1600).

▲ For the configuration of a Pneumatic Seeder "PS with transition Distribution Head", please contact your APV sales representative, we will be pleased to answer your special requests!

POSSIBLE COMBINATIONS DISTRIBUTION HEAD

ITEM NO.	DISTRIBUTION HEAD SETS ¹	MAX. NUMBER OF POSSIBLE DISTRIBUTION HEADS	
		PS / SMART TWIN 120-500 H	PS 800-1600
04099-2-037	Set APV Distribution Head 12 outlets 4.3 in (D110) riser pipe	1	2
04099-2-042	Set APV Distribution Head 12 outlets 3 in (D75) riser pipe	2	4
04099-2-038	Set APV Distribution Head 24 outlets	1	2
04099-2-039	Set APV Distribution Head 32 outlets	1	2
04099-2-040	Set APV Distribution Head 36 outlets	1	2
04099-2-041	Set APV Distribution Head 48 outlets (3/4"-outlets) ²	1	2



ADVANTAGES

- Individual number of outlets from 6 - 64
- High flexibility for the mounting of the seeder
- Front tank applications possible
- Distribution coefficient in the range of well-known seed drill manufacturers
- Exact metering of the APV seeders
- Can apply fine to large seeds and fertilizer
- Cost effective alternative to pneumatic seed drills
- Simple implementation of tine seeders possible

APPLICATIONS

- Cover crop seeding with dispersion plates
- Cover crops placed behind cultivator coulters
→ deeper placement, especially with large seeds
- Micro-granules placed directly in the furrow at the time of seeding (drilling or precision seeding)
- Fertilizer placement in row crops
- Nurse crop application during hoeing or harrowing
- Front tank applications
- Alternative to pneumatic seed drills
 - Grain seeding
 - Canola seeding
 - Legume seeding



EXAMPEL

Mr / Mrs Johnson would like to place a seeder on their cultivator with 44 tines and place seed behind each tine. For this purpose he/she would like to obtain sowing shoes from APV.

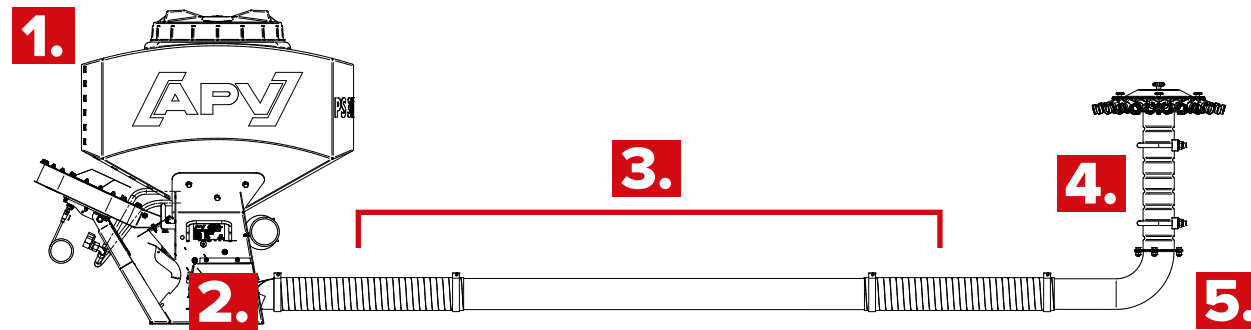
Mr / Mrs Johnson orders the following:

- PS 800 configured with outlet 16-2 4.3 in (D110) → **Item number configured by APV**
- 2 pcs. set Distribution Head 24 outlets (= 48 outlets) → **2x 04099-2-038**
- 4 pcs. 1" blind plates (for each Distribution Head 2 outlets are blanking opposite each other) → **4x 04099-3-000**
- Hose 4.3 in (D110) (by the metre as required) → **x ft 04099-3-002**
- 4 rolls of 1" hose each 82 ft (25m) → **328 ft (100m) 00600-3-627**
- 44 sowing shoe kits → **44x 00300-1-126**
- Fixing material as required:
 - Riser pipe bracket → **04099-2-060**
 - Tube 4.3 in (D110) 11 ft (3.3m) + bracket → **04099-2-066**
 - Hose tensioning → **04099-2-061**

¹ Set includes: Distribution Head, 90° bend, riser pipe + U bracket for mounting, hose clamps

² Especially for row dependent applications (e.g. micro granules)

STEP BY STEP GUIDE



1. You need a Pneumatic Seeder with hydraulic fan (see pages 26-43)!

OUTLETS PS DISTRIBUTION HEAD ¹	POSSIBLE COMBINATION			
	PS / SMART TWIN 120-500 HYDR.	PS 800-1600		
04099-2-054	Outlet 8-1 4.3 in (D110)	X	\$	348.00
04099-2-055	Outlet 8-2 3 in (D75)	X	\$	372.00
04099-2-056	Outlet 16-1 4.3 in (D110)		\$	589.00
04099-2-057	Outlet 16-2 4.3 in (D110)	X	\$	696.00
04000-2-995	Outlet 16-4 3 in (D75)	X	\$	744.00

▲ For the configuration of a Pneumatic Seeder "PS with transition Distribution Head", please contact your APV sales representative, we will be pleased to answer your special requests!

3. CONVEYOR LINE FROM PNEUMATIC SEEDER TO DISTRIBUTION HEAD				
04099-3-002	Hose 4.3 in (D110)		\$	103.00
00602-3-951	Hose PUR 3 in (D75)		\$	57.00
04099-2-058	4.3 in (D110) 5 ft (1.65m) tube + bracket		\$	217.00
04099-2-066	4.3 in (D110) 11 ft (3.3m) tube + bracket		\$	433.00
04099-2-059	4.3 in (D110) pipe 16.4 ft (5m) + bracket		\$	650.00

4. DISTRIBUTION HEAD SETS ²	OUTLETS (NUMBER)	HP	Ø HOSE (MM)		
				DISTRIBUTION HEAD	
04099-2-037	Set APV Distribution Head 12 4.3 in (D110)	12	110	25,4 mm (1")	\$ 1,516.00
04099-2-042	Set APV Distribution Head 12 3 in (D75)	12	75	25,4 mm (1")	\$ 1,653.00
04099-2-038	Set APV Distribution Head 24 4.3 in (D110)	24	110	25,4 mm (1")	\$ 2,246.00
04099-2-039	Set APV Distribution Head 32 4.3 in (D110)	32	110	25,4 mm (1")	\$ 2,471.00
04099-2-040	Set APV Distribution Head 36 4.3 in (D110)	36	110	25,4 mm (1")	\$ 2,631.00
04099-2-041	Set APV Distribution Head 48 (3/4") ³	48	110	19 mm (3/4")	\$ 4,028.00



5. ACCESSORIES				
00600-3-627	1 roll of 1" (82 ft (25m)) hose		\$	198.00
04099-3-000	1" (25 mm) blanking plate		\$	1.40
00602-3-755	1 roll of 3/4" (82 ft (25m)) hose		\$	198.00
04099-3-029	3/4" (19 mm) blind plate		\$	1.00
04099-2-060	Riser pipe bracket		\$	308.00
04099-2-061	Tensioning kit (tensioning ropes for hose laying)		\$	98.00
00300-1-126	Sowing shoe kit (for tine seeding)		\$	60.00

For other accessories (dispersion plates, hexagonal bars, etc.) see pages 73-76.

▲ IMPORTANT: For the configuration of a Pneumatic Seeder "PS with transition Distribution Head", please contact your APV sales representative, we will be pleased to answer your special requests!

- ▲** The following can be selected for the configured PS
- Which hopper size should the Pneumatic Seeder have?
 - Number of outlets?
 - With or without hexagonal bar or counter plate?
 - Which seeding shafts?
 - Hoses, dispersion plates, hexagonal bars must be ordered separately as required!



¹ Conversion kits for existing Pneumatic Seeders

² Set includes: Distribution Head, 90° bend, riser pipe + U bracket for mounting, hose clamps

³ Especially for row-dependent applications (e.g.: microgranules)

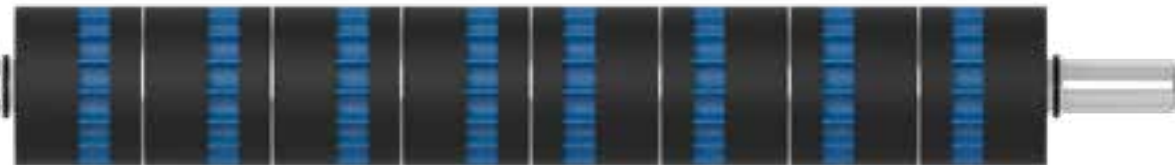
SEEDING SHAFTS FOR PNEUMATIC SEEDERS

▲ Our APV seeding shaft configurator helps you to select the ideal seeding shaft for your application. Scan the QR code.



STANDARD PS SERIES

STANDARD EQUIPMENT



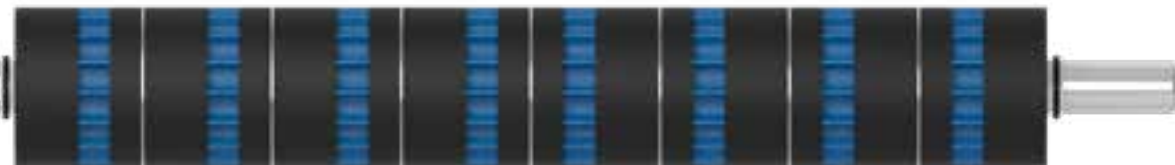
The fine blind: fb-f-fb-fb



The coarse: G-G-G

PS FERTILIZER EDITION

STANDARD EQUIPMENT



The fine blind: fb-f-fb-fb



The Flex 20: fb-Flex20-fb











PS STANDARD & FERTILIZER-EDITION






These seeding shafts are specially protected against corrosion. We recommend the Flex seeding shafts for seed mixtures or coarse seeds.

	The fine blind (fb-f-fb-fb)	The coarse (G-G-G)	The fine full (fb-fv-fv-fb)
	White mustard, phacelia, micro granule fertilizer	Grass	Clover, cress, micro granule fertilizer
PS 120 to PS 500	1.1 - 4.4 lbs/min (0.5-2 kg/min) Item no.: 04000-2-064 Price: \$ 224.00	3.3 - 13.2 lbs/min (1.5-6 kg/min) Item no.: 04000-2-061 Price: \$ 186.00	1.3 - 5.5 lbs/min (0.6-2.5 kg/min) Item no.: 04000-2-074 Price: \$ 242.00
PS 800 to PS 1600	2.2 - 8.8 lbs/min (1-4 kg/min) Item no.: 04054-2-039 Price: \$ 337.00	6.6 - 26.5 lbs/min (3-12 kg/min) Item no.: 04000-2-120 Price: \$ 295.00	2.6 - 11 lbs/min (1.2-5 kg/min) Item no.: 04054-2-049 Price: \$ 399.00
	The extra fine (fb-fb-ef-eb-fb)	The extra fine full (fb-efv-efv-fb)	The fine (f-f-f-f)
	Poppy	Canola	Grass, white mustard, cress
PS 120 to PS 500	0.2 - 0.9 lbs/min (0.1-0.4 kg/min) Item no.: 04001-2-129 Price: \$ 357.00	0.2 - 1.1 lbs/min (0.1-0.5 kg/min) Item no.: 04000-2-170 Price: \$ 379.00	1.8 - 7.5 lbs/min (0.8-3.4 kg/min) Item no.: 04000-2-184 Price: \$ 223.00
PS 800 to PS 1600	0.4 - 1.5 lbs/min (0.2-0.7 kg/min) Item no.: 04000-2-133 Price: \$ 629.00	0.4 - 1.9 lbs/min (0.2-0.9 kg/min) Item no.: 04054-2-050 Price: \$ 613.00	3.7 - 14.8 lbs/min (1.7-6.7 kg/min) Item no.: 04054-2-051 Price: \$ 337.00
	The Flex 10 (fb-Flex10-fb-fb)	The Flex 20 (fb-Flex20-fb)	The Flex 40 (Flex40)
	Buckwheat, vetch, micro granule fertilizer	Seed mixtures, cereals, peas, beans, lupin, vetch fertilizer	
PS 120 to PS 500	1.5 - 6 lbs/min (0.7-2.7 kg/min) Item no.: 04000-2-718 Price: \$ 332.00	4 - 16 lbs/min (1.8-7.3 kg/min) Item no.: 04000-2-086 Price: \$ 332.00	7.5 - 29.8 lbs/min (3.4-13.5 kg/min) Item no.: 04000-2-087 Price: \$ 407.00
PS 800 to PS 1600	2.8 - 11.9 lbs/min (1.3-5.4 kg/min) Item no.: 04000-2-841 Price: \$ 598.00	8-32.2 lbs/min (3.6-14.6 kg/min) Item no.: 04054-2-041 Price: \$ 585.00	15 - 59.5 lbs/min (6.8-27 kg/min) Item no.: 04054-2-052 Price: \$ 680.00

PS STANDARD & FERTILIZER EDITION FOR SPECIAL APPLICATIONS 16 OR 32 OUTLETS

			
	The fine blind (fb-f)	The Flex 20 (Flex20)	The fine (f-f)
	White mustard, clover, phacelia	Cereals, fertilizer, buckwheat, vetch	Grass, cereals, cress
PS 120 to PS 500	2.2-8.8 lbs/min (1-4 kg/min) Item no.: 04000-2-176 Price: \$ 244.00	7.9-32.2 lbs/min (3.6-14.6 kg/min) Item no.: 04000-2-162 Price: \$ 497.00	1.8-7.5 lbs/min (0.8-3.4 kg/min) Item no.: 04000-2-161 Price: \$ 244.00
PS 800 to PS 1600	4.4 -17.6 lbs/min (2-8 kg/min) Item no.: 04000-2-524 Price: \$ 452.00	16.1-64.6 lbs/min (7.3-29.3 kg/min) Item no.: 04000-2-525 Price: \$ 824.00	3.5-14.8 lbs/min (1.6-6.7 kg/min) Item no.: 04000-2-528 Price: \$ 452.00
SMART TWIN & PS TWIN per half side	2.2-8.8 lbs/min (1-4 kg/min) (SMART TWIN) 1.1-4.4 lbs/min (0.5-2 kg/min) (PS TWIN) Item no.: 04043-2-016 Price: \$ 441.00	7.9-32.2 lbs/min (3.6-14.6 kg/min) (SMART TWIN) 4-16.1 lbs/min (1.8-7.3 kg/min) (PS TWIN) Item no.: 04043-2-014 Price: \$ 599.00	1.8-7.5 lbs/min (0.8-3.4 kg/min) (SMART TWIN) 0.9-3.5 lbs/min (0.4-1.6 kg/min) (PS TWIN) Item no.: 04043-2-015 Price: \$ 441.00
			
	The fine blind fine full (fb-fv)	The fine full (fv-fv)	
	Canola, white mustard, phacelia	White mustard, phacelia	
PS 120 to PS 500	0.2-5.7 lbs/min (0.1-2.6 kg/min) Item no.: 04000-2-175 Price: \$ 295.00	0.4-11.2 lbs/min (0.2-5.1 kg/min) Item no.: 04000-2-163 Price: \$ 278.00	
PS 800 to PS 1600	0.4-11.2 lbs/min (0.2-5.1 kg/min) Item no.: 04000-2-527 Price: \$ 470.00	1.1-22.5 lbs/min (0.5-10.2 kg/min) Item no.: 04000-2-529 Price: \$ 570.00	
			
	The fine blind extra fine full (fb-efv)	The extra fine full (efv-efv)	The Flex 10 (fb-Flex10)
	Canola		Micro granule fertilizer, buckwheat, vetch
PS 120 to PS 500	0.2-1.1 lbs/min (0.1-0.5 kg/min) Item no.: 04000-2-177 Price: \$ 388.00	0.4-2 lbs/min (0.2-0.9 kg/min) Item no.: 04000-2-178 Price: \$ 566.00	2.9-11.9 lbs/min (1.3-5.4 kg/min) Item no.: 04000-2-842 Price: \$ 525.00
PS 800 to PS 1600	0.4-2 lbs/min (0.2-0.9 kg/min) Item no.: 04000-2-526 Price: \$ 807.00	0.9-4 lbs/min (0.4-1.8 kg/min) Item no.: 04000-2-530 Price: \$ 1,176.00	6-23.8 lbs/min (2.7-10.8 kg/min) Item no.: 04000-2-840 Price: \$ 964.00

PS 300-500 D TWIN & SMART TWIN 120-500

		
	The fine blind (fb-f-fb-fb) TWIN	The Flex 20 (fb-Flex20-fb) TWIN
	White mustard, clover, phacelia	Cereals, fertilizer, buckwheat, vetch
SMART TWIN & PS TWIN per half side	1.1-4.4 lbs/min (0.5-2 kg/min) (SMART TWIN) 0.6-0.2 lbs/min (0.25-1 kg/min) (PS TWIN) Item no.: 04043-2-031 Price: \$ 441.00	4-16.1 lbs/min (1.8-7.3 kg/min) (SMART TWIN) 2-8.2 lbs/min (0.9-3.7 kg/min) (PS TWIN) Item no.: 04043-2-032 Price: \$ 494.00
		
	The Flex 10 (fb-Flex10-fb-fb) TWIN	
	Buckwheat, vetch	
SMART TWIN & PS TWIN per half side	1.3-5.9 lbs/min (0.6-2.7 kg/min) (SMART TWIN) 0.7-3.1 lbs/min (0.3-1.4 kg/min) (PS TWIN) Item no.: 04043-2-033 Price: \$ 554.00	
		
	The fine blind (fb-f-fb-fb) + Flex 20 (fb-Flex20-fb) TWIN	
	White mustard, micro granule + peas, fertilizer	
PS TWIN	0.4-2.2 lbs/min (0.2-1 kg/min) (white mustard) + 0.7-13.7 lbs/min (0.3-6.2 kg/min) (fertilizer) Item no.: 04043-2-034 Price: \$ 466.00	
		
	The fine blind (fb-f) + Flex 20 (Flex20) TWIN for 16 outlets	
	White mustard, micro granule + peas, fertilizer	
PS TWIN with 16 outlets	1.1-4.4 lbs/min (0.5-2 kg/min) (white mustard) + 1.3-27.1 lbs/min (0.6-12.3 kg/min) (fertilizer) Item no.: 04043-2-026 Price: \$ 504.00	

CONTROL BOXES

CONTROL BOX 5.2

Control Box 5.2 is the most popular version of the APV Control Boxes and offers an extensive range of functions. For example, functions such as adapting the spread rate to forward speed, automatic shut-off on the headlands, precise regulation of the electric fan or automatic execution of the calibration test, make your work much easier.



USER BENEFITS

- Regulation and monitoring of the seeding shaft through the electronics
- Electronic adjustment of the spread rate during operation
- Emptying
- Calibration of the speed
- Automatic adjustment of the spread rate to the forward speed (in conjunction with speed sensor¹)
- Regulation of electric fan or spreader plate (for MDD and UDW)
- Automatic calibration test (only weighing is still necessary!)
- Calibration test: option of displaying in lbs/acre, grains/m² and g/m²
- Operating voltage and power consumption display
- Total hours and daily hours counter
- Total hectares and daily acres counter
- Headland management (in combination with lifting unit sensor¹)
- Display and monitoring of fan speed
- Calibration according to the area is also possible



ADDITIONAL FEATURES

- Selection of different languages
- Choice between different measuring units (metric, imperial or Chin. mu)
- Implement monitoring (in conjunction with implement sensors¹; example: fill level sensor)
- With the most current software version (as of version 1.28), the 5.2 can be used to control the electric fan PLUS.

USE WITH

Optimized for use with Standard Pneumatic Seeders PS 120–1600, Fertilizer Edition PS 120–1600 M1 D and Multi-Metering System MDD, MDP, MDG, MDC as well as Universal Dispenser UDW and Liquid Fertilizer LF 600.

ITEM NO.	CONTROL BOX		
00300-2-042	Control Box 5.2	\$	1,941.00

CONTROL BOX 6.2

Control Box 6.2 impresses with even more functionality for the professional farmer and contractor. The large touch display shows all the essential implement processes at a glance. The menu is designed for intuitive operation with self-explanatory symbols. With the additional functions, such as automatic pre-metering of seed and creation of a seed library, you can organise the use of your seeder for even more efficiently.



USER BENEFITS

- All functions of Control Box 5.2

Additionally:

- Seed library: Save your standard seeds and change the application at the touch of a button (without a new calibration test).
- Remaining quantity display (area & distance)
- Storage of up to 5 speed calibration values for regular use of various tractors
- Automatic pre-metering

ADDITIONAL FEATURES

- Operation via large colour touch display
- Update option via USB flash drive and Internet
- Robust aluminium housing
- With the most current software version (as of version V1.2), the 6.2 can be used to control the electric fan PLUS.

USE WITH

Optimized for use with Standard Pneumatic Seeders PS 120–1600 and the Fertilizer Edition PS 120–1600 D.

ITEM NO.	CONTROL BOX		
00300-2-214	Control Box 6.2	\$	3,382.00



CONTROL BOXES

CONTROL BOX 1.2

Control Box 1.2 is the ideal entry-level box and is characterised by its compact size. It handles the most important basic seeding functions and it is also compatible with selected implement sensors. The rotational speed of the seeding shaft and fan can be configured quickly, easily and without complications.



USER BENEFITS

- Regulation and monitoring of the seeding shaft through the electronics
- Regulation and monitoring of electric fan or spreader plate (for MDD and UDW)
- Electronic adjustment of the spread rate during operation
- Calibration test function
- Acoustic and visual error message
- Emptying function

ADDITIONAL FEATURES

- Implement monitoring (in conjunction with implement sensors; example: fan monitoring)
- Fill level warning option (in conjunction with implement sensors; example: fill level sensor)
- With the most current software version (as of version V1.2), Control Box 1.2 can be used to control the electric fan PLUS.
- Combination with linkage sensors¹ **NEW**

USE WITH

Optimised for use with Standard Pneumatic Seeders PS 120–1600, Fertilizer Edition PS 120–1600 M2 D and Multi-Metering System MDD, MDP, MDG and MDC as well as Universal Dispenser UDW.

ITEM NO.	CONTROL BOX		
00300-2-201	Control Box 1.2	\$	987.00
ITEM NO.	COMBINATION WITH LINKAGE SENSORS		
00410-2-304	Connection cable for linkage sensors for Control Box 1.2 (10 ft (3m))	\$	127.00
00410-2-306	Linkage sensor top link for Control Box 1.2 ²	\$	348.00
00410-2-307	Linkage sensor pull switch for Control Box 1.2 ²	\$	433.00
00410-2-308	Linkage sensor chassis for Control Box 1.2 ²	\$	348.00
00410-2-310	Linkage sensor hydraulic system for Control Box 1.2 ²	\$	332.00
	▲ The sensors are connected directly to the seeder. If the distance from the sensor to the seeder is more than 10 ft (3m), the following extension cables are available:		
00410-2-287	Extension cable sensors 6.6 ft (2m)	\$	56.00
00410-2-298	Extension cable sensors 10 ft (3m)	\$	64.00
00410-2-299	Extension cable sensors 13 ft (4m)	\$	87.00
00410-2-288	Extension cable sensors 16.4 ft (5m)	\$	95.00

CONTROL BOX 5.7

Control Box 5.7 complements the PS 300-500 D TWIN and enables separate actuation of two seeding shafts. With the same mode of operation as the 5.2 and with an additional adapter cable, Control Box 5.7 also offers the option of operating up to two APV seeders in parallel and independently from each other. To complete the multitasking module's package, the control box is compatible and combinable with any sensor system.



USER BENEFITS

- All functions of Control Box 5.2

Additionally:

- Independent controlling of up to two seeding shafts and an electric fan (PS 300-500 D TWIN)
- Independent, parallel operation of two APV seeders
- No limits when using additional implement sensors

USER NOTE

If you are using two Pneumatic Seeders PS with electric fan or two Multi-Metering Systems MDP at the same time make sure that the power supply is correct.

▲ Please contact your APV sales representative!

USER NOTE FOR ELECTRIC FAN PLUS

When using several fans, they can only be monitored and regulated together and dependent on one another.

With two fans PLUS:

- Pay attention to the power consumption (100 A)
- One power supply per fan

USE WITH

Optimised for use with the Pneumatic Seeder PS 300-500 D TWIN as well as for single or parallel use of Standard Pneumatic Seeders PS 120–1600 M1, Fertilizer Edition PS 120–1600 D and Multi-Metering System MDD, MDP, MDG and MDC.

ITEM NO.	CONTROL BOX		
00300-2-362	Control Box 5.7 for electric fan	\$	2,465.00
00300-2-367	Control Box 5.7 for electric fan PLUS and hydr. fan	\$	2,465.00
00410-2-164	PS 2 MX MCP adapter (for controlling 2 seeders) ¹	\$	486.00
00410-2-237	Power supply adapter SB50-3pin ¹	\$	152.00

¹ except linkage sensor inductive

² Connection cable (00410-2-304) required in conjunction with linkage sensors

¹ For electric fan PLUS or hydraulic fan or if 2 seeders are controlled with electric fan

ISOBUS



All Pneumatic Seeders from APV can also be controlled via ISOBUS with the tractor's own terminal.
Prerequisite: There must be a standardised ISOBUS port on the tractor.

ISOBUS compatibility allows farmers to operate the Pneumatic Seeders in an even more professional and simple manner.

Additional functions such as **Section Control, Variable Rate Control** or **Rate per Section** (if supported by the terminal) enable even more efficient and precise use of APV Pneumatic Seeders.

⚠ Display is not included in the scope of delivery. If a monitor is required, we offer the ProfiControl (see page 68)

⚠ Caution! The maximum total current rating of the ISOBUS systems of 55 A must be observed!



USER BENEFITS

- All functions of Control Box 6.2

Additionally:

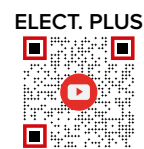
- No additional display in the cabin → better overview
- Only one cable from the spreader to the tractor (ISOBUS cable) – no additional cable required
- Section Control: Automatic seeding shaft shut-off depending on the GPS position¹
- Variable Rate Control: Spread rate is regulated according to an application map¹
- Individual naming of the seeds in the seed library
- The speed and linkage signal can be obtained directly from the ISOBUS¹ or from various APV sensors (wheel, GPS, radar sensor)
- Compatible with many different terminal versions/tractor brands² - please ask your APV sales representative/sales partner about it!
- The ISOBUS control box is also compatible with special implements, such as the Pneumatic Seeder TWIN and the Liquid Fertilizer
- 50 % more fan performance with the combination of ISOBUS and electric fan
- AEF-certification: APV ISOBUS is listed in the AEF database

ADDITIONAL FEATURES

- Can be retrofitted on a PS as of model year 2015
- Factory-installed for new implements
- With the ISOBUS, the electric fan PLUS can also be controlled.

We recommend the combination of ISOBUS and fan PLUS!

→ This is the most efficient version!



ITEM NO.	ISOBUS RETROFIT KITS		
04000-2-906	Accessories kit ISOBUS PS 120-500 for electric fan	\$	3,641.00
04000-2-909	Accessories kit ISOBUS PS 120-500 for electric fan PLUS and hydraulic fan	\$	2,842.00
04042-2-045	Accessories kit ISOBUS PS TWIN for electric fan	\$	4,473.00
04042-2-046	Accessories kit ISOBUS PS TWIN for electric fan PLUS and hydraulic fan	\$	3,512.00
04011-2-150	Accessories kit ISOBUS PS 800-1100	\$	2,842.00
04048-2-025	Accessories kit ISOBUS PS 1600	\$	2,842.00
13001-2-006	Accessories kit ISOBUS LF 600	\$	2,444.00
11000-2-152	Accessories kit ISOBUS 1 x MDP	\$	3,641.00
11000-2-153	Accessories kit ISOBUS 2 x MDP	\$	4,473.00
11000-2-150	Accessories kit ISOBUS 1 x MDC/MDG	\$	2,842.00
11000-2-150 + 11000-2-151	Accessories kit ISOBUS 2 x MDC/MDG	\$	3,633.00
00410-2-221	ISOBUS extension cable 6.6 ft (2m)	\$	230.00
00410-2-220	ISOBUS extension cable 16.4 ft (5m)	\$	335.00
04000-2-930	ISOBUS splitter accessories kit (other manufacturers) ¹	\$	1,043.00
04000-2-931	ISOBUS splitter accessories kit APV-APV ¹	\$	407.00

⚠ These retrofit kits are suitable for retrofits on already existing APV products!
These prices do not apply for configured implements!

COMPLETE IMPLEMENT WITH ISOBUS

⚠ If you need a complete implement with ISOBUS, you will find the prices for this on the respective product pages:

- Pneumatic Seeders: pages 26–78
- Pneumatic Seeders Fertilizer: pages 36–45
- SMART TWIN: pages 48–49
- Pneumatic Seeder TWIN: pages 50–51
- Liquid Fertilizer: pages 80–81



MINIMUM REQUIREMENTS FOR EXISTING ISOBUS TERMINAL

- VT2/UT1 or newer version²
- At least 10 virtual softkeys (buttons)
- At least 256 colours
- Minimum resolution for the display screen (data screen) 256x256 pixels



CONTROL BOXES

PROFICONTROL

The ProfiControl is a professional control box with touch display and intuitive menu navigation. It is required if an ISOBUS seeder is available and the towing vehicle is not equipped with ISOBUS → ideal for shared implements or farms with several tractors without ISOBUS equipment.

ADVANTAGES

- **No** ISOBUS equipment required on the tractor
- **Space-saving:** more space in the cab
- **Slim & smart:** modern design
- **Tidy:** clear, contemporary presentation
- **Everything at a glance:** many functions on one screen
- **Simple:** intuitive menu navigation
- **ISOBUS stand-alone solution**



ADDITIONAL FEATURES

- Speed and linkage signal can be obtained from various APV sensors (7-pin signal cable, wheel sensor, GPS sensor, radar sensor)
- Only one cable from the spreader to the tractor (ISOBUS cable)
- 50 % more fan power in combination with ISOBUS and electric fan
- RAM-C ball for easy installation in the cabin is included in the delivery

ITEM NO,	PROFICONTROL		
00300-2-443	Set ProfiControl electric & hydraulic fan	\$	2,992.00
00300-2-444	Set ProfiControl electric fan PLUS	\$	3,736.00
00300-2-445	Set ProfiControl InCab ¹	\$	2,691.00
00300-2-446	Set ProfiControl electric fan PLUS (power supply via 2x 3-pin socket outlet)	\$	3,102.00
00300-2-459	Set ProfiControl ISOBUS XD	\$	3,776.00

ITEM NO,	ACCESSORIES		
00410-2-266	7-pin signal cable for ProfiControl	\$	293.00
00600-3-738	RAM-C support arm	\$	83.00

⚠ Attention! The ProfiControl is not capable of rate and section control and is also not compatible with a GPS antenna; the tractor must provide these functions

COMING SOON

EASYCONTROL



COMING SOON

THE NEXT GENERATION OF OPERATION

With EasyControl, we are already announcing the control box of the future. The successor to the well-established Control Box 5.2 offers numerous improvements that will make farmers' daily work even more convenient and efficient. Fewer cables in the cab, modern menu navigation and intelligent additional functions ensure greater clarity and ease of use.

From seed management and filling and metering functions to new interfaces, EasyControl combines smart technology with practical application. Existing users can also benefit from the advantages by upgrading from the previous Control Box 5.2.

EasyControl is still in the development phase. A pre-series is already in the pipeline, with series production set to follow. Get ready for the next chapter in **APV operating technology** - innovative, user-friendly and future-orientated.

APV FRONT TANK



COMING SOON

THE PROGRAMME EXTENSION FOR THE HIGHEST DEMANDS

APV is expanding its product range with a completely new device: the APV front tank. Developed for maximum practicality, the focus is on optimal integration at the front of the tractor – including excellent forward visibility and compliance with traffic regulations in many countries.

The front tank impresses with its precise metering and powerful fan, which reliably transports seed or fertilizer from the front of the tractor to the APV Distributor Head. You can choose between a single tank or a split tank with a total volume of 56.6 cu ft / 45 U.S. bsh. (1,600 litres) – for maximum flexibility in use.

SENSORS WITH CONTROL BOXES 5.2, 6.2, 5.7 & ISOBUS & PROFICONTROL

▲ These accessory parts can be used only with Control Boxes 5,2, 6,2, 5,7, ProfiControl and ISOBUS,

GPSa SENSOR

The GPSa sensor transmits the current vehicle speed to the Control Box, The current speed is measured through the combination of a GPS and a 3D acceleration sensor, Warning: The sensor does not function if there is complete GPS shadowing. Cable length: 16,4 ft (5m)



ITEM NO,	GPSa SENSOR		
00410-2-180	GPSa sensor	\$	1,691.00
00300-2-053	Sensor set: GPSa sensor + linkage sensor top link ¹	\$	2,101.00
00300-2-052	Sensor set: GPSa sensor + linkage sensor chassis ¹	\$	2,039.00
00300-2-095	Sensor set: GPSa sensor + linkage sensor pull switch ^{1,2}	\$	2,125.00
00300-2-344	Sensor set: GPSa sensor + linkage sensor hydraulic system ¹	\$	2,096.00
00300-2-467	Sensor set: GPSa sensor + linkage sensor inductive	\$	2,218.00

RADAR SENSOR MX 35

The radar sensor sends information on the speed of the vehicle to the Control Box, The Control Box automatically regulates the rotational speed of the seeding shaft and therefore the spread rate. Cable length: 16,4 ft (5m)



ITEM NO,	RADAR SENSOR MX 35		
00410-2-179	Radar sensor MX 35 ³	\$	1,898.00
00300-2-007	Sensor set: radar sensor + linkage sensor top link ^{1,3}	\$	2,308.00
00300-2-006	Sensor set: radar sensor + linkage sensor chassis ^{1,3}	\$	2,246.00
00300-2-096	Sensor set: radar sensor + linkage sensor pull switch ^{1,2,3}	\$	2,332.00
00300-2-345	Sensor set: radar sensor + linkage sensor hydraulic system ^{1,3}	\$	2,303.00

WHEEL SENSOR

The wheel sensor records the forward speed, The sensor is firmly attached to the frame and can detect both the supplied magnets and bolt heads, wheel bolts, etc, on the wheel rim, Mounting examples: Spike wheel on seed drills, depth control wheels, tractor wheels. Cable length: 16,4 ft (5m)



ITEM NO,	WHEEL SENSOR		
00410-2-181	Wheel sensor	\$	418.00
00202-2-553	Sensor set: wheel sensor + linkage sensor top link ¹	\$	831.00
00202-2-062	Sensor set: wheel sensor + linkage sensor chassis ¹	\$	767.00
00300-2-097	Sensor set: wheel sensor + linkage sensor pull switch ^{1,2}	\$	854.00
00300-2-346	Sensor set: wheel sensor + linkage sensor hydraulic system ¹	\$	824.00

7-PIN SIGNAL CABLE

With proper tractor cabling for the signal socket, the forward speed and the linkage signal are taken from the tractor and displayed on the Control Box. Cable length: 5 ft (1.5m)



▲ The signal socket on the tractor side must be designed and assigned in compliance with the standards.

▲ The 7-pin signal cable cannot be used in conjunction with ISOBUS!

ITEM NO.	7-PIN SIGNAL CABLE		
00410-2-155	7-pin signal cable	\$	274.00
00202-3-552	Sensor set: signal cable + linkage sensor top link ^{1,2}	\$	683.00
00202-3-497	Sensor set: signal cable + linkage sensor chassis ^{1,2}	\$	622.00
00300-2-098	Sensor set: signal cable + linkage sensor pull switch ^{1,2,3}	\$	707.00
00300-2-347	Sensor set: signal cable + linkage sensor for the hydraulic system ^{1,2}	\$	679.00

LINKAGE SENSOR TOP LINK

Ideally suited for 3-point mounted implements

For installation in a second top link hole; Function: Mechanical actuation of a spring rod. The rotation of seeding shaft is then automatically started or stopped (invertible). Cable length: 13 ft (4m)



ITEM NO.	LINKAGE SENSOR TOP LINK		
00410-2-169	Linkage sensor top link	\$	410.00

LINKAGE SENSOR CHASSIS

For installation on moving parts on the headlands; Function: Contactless with a magnet. The rotation of seeding shaft is then automatically started or stopped (invertible). Cable length: 16.4 ft (5m)



ITEM NO.	LINKAGE SENSOR CHASSIS		
00410-2-173	Linkage sensor chassis	\$	348.00

LINKAGE SENSOR PULL SWITCH

For installation on the 3-point linkage or on moving parts on the headlands; Function: Actuation by pulling a spring. The rotation of seeding shaft is then automatically started or stopped (invertible). Cable length: 16.4 ft (5m)



ITEM NO.	LINKAGE SENSOR PULL SWITCH		
00410-2-174	Linkage sensor pull switch ³	\$	433.00

¹ Includes splitter cable for combined use

² Not suitable for Snow and Ice Removal Spreaders UDW (page 08)

³ Not approved for sale in Great Britain and Japan

¹ Includes splitter cable for combined use

² For tractors without a linkage signal

³ Not suitable for Snow and Ice Removal Spreaders UDW (page 08)

LINKAGE SENSOR HYDRAULIC SYSTEM

The sensor can be installed in an existing hydraulic system on an implement (e.g. chassis cylinder). Function: actuation by a change in pressure in the hydraulic system. The rotation of seeding shaft is then automatically started or stopped. The pressure at which switching occurs can be set between 20 and 50 bar. Cable length: 16.4 ft (5m)



ITEM NO.	LINKAGE SENSOR HYDRAULIC SYSTEM		
00410-2-176	Linkage sensor hydraulic system	\$	405.00

LINKAGE SENSOR INDUCTIVE

For installation on moving parts on the headlands. Function: Contactless, can detect metal. The rotation of seeding shaft is then automatically started or stopped (invertible).



ITEM NO.	LINKAGE SENSOR INDUCTIVE		
00410-2-263	Linkage sensor inductive 9.8 ft (3m)	\$	525.00
00410-2-175	Linkage sensor inductive 39 ft (12m)	\$	606.00

EXTENSION CABLE FOR SENSORS MX

Cable length: 6.6 or 16.4 ft (2 or 5m)



ITEM NO.	EXTENSION CABLE FOR SENSORS MX		
00410-2-151	Extension cable for sensors MX 6.6 ft (2 m)	\$	277.00
00410-2-152	Extension cable for sensors MX 16.4 ft (5m)	\$	354.00

SPLITTER CABLE

Required for the combined use of the speed sensor and linkage sensor!
Cable length: 3 ft (1m)



ITEM NO.	SPLITTER CABLE		
00410-2-153	Splitter cable	\$	299.00

GENERAL ACCESSORIES FOR PS AND MD

⚠ These accessory parts are for implements of the Standard PS Series, the PS Fertilizer Edition, SMART TWIN, the TWIN PS and for the MD series.

CALIBRATION BUTTON

The calibration button makes the calibration test much easier and can be attached to the implement in almost any position thanks to the integrated magnets. Residual emptying of the hopper can also be performed with the calibration button. Cable length: 3.3 ft (1m)



ITEM NO.	CALIBRATION BUTTON		
00410-2-185	Calibration button ¹	\$	174.00

FILL LEVEL SENSOR FOR PS AND MD

The fill level sensor triggers an alarm on the control box if there is not enough seed in the hopper. Cable length: 6.6 ft (2m)



ITEM NO.	FILL LEVEL SENSOR		
04000-2-269	Fill level sensor for PS	\$	456.00
11000-2-060	Fill level sensor for MD	\$	332.00

PLATFORM KIT UNIVERSAL FOR DISC SPREADER, MULTI-METERING SYSTEM AND PNEUMATIC SEEDERS

This bracket is attached to the rearmost cross beam of the soil tillage implement, so that the spreader can be mounted. This kit includes a platform with a ladder and bracket with adjustable angle for mounting a Disc Spreader, Multi-Metering System, or Pneumatic Seeder PS 120–500 (with elec., elec. PLUS or hydr. fan).



ITEM NO.	PLATFORM KIT UNIVERSAL		
04000-2-684	Platform kit universal	\$	2,036.00

¹ Cannot be used with Control Box 1.2

PLATFORM KIT MODULAR

This kit allows you to retrofit a platform and a ladder on your soil tillage implement to be able to reach your seeder comfortably.



ITEM NO.	PLATFORM KIT MODULAR		
04000-1-010	Basic platform kit modular Includes: 1 x ladder with 6 rungs, 1 x tread 23.6 x 18.9 inches (600x480 mm), fall protection, assembly material	\$	1,106.00
04000-1-011	Extension platform kit modular ¹ Includes: 1 x tread 23.6 x 18.9 inches (600x480 mm), fall protection, mounting material	\$	1,065.00

Y-DIVIDER SMOOTH

The Y-dividers are available in two different kits. The kit for PS 120-500 includes: 1 roll of hose 82 ft (25 m), 8 dispersion plates, 4 hexagonal bars for dispersion plate installation and 8 Y-splitters. The set for PS 800-1600 includes 3 rolls of hose 246 ft (75 m), 16 dispersion plates, 8 hexagonal rods for dispersion plates installation and 16 Y-splitters.



ITEM NO.	Y-DIVIDER		
00300-2-212	Set Y-divider smooth for PS 120-500	\$	799.00
00300-2-213	Set Y-divider smooth for PS 800-1600	\$	1,688.00
00300-2-200	Y-divider smooth (per unit)	\$	35.00

AIR SEPARATOR AIR GUARD

The cyclone shape achieves optimal air separation from the seed. This ensures reliable seed placement.



ITEM NO.	AIR GUARD AIR SEPARATOR KIT		
00600-2-092	Air separator kit air guard (per unit)	\$	179.00
04000-2-557	Air separator kit air guard with adapter tube (recommended for micro granulate applications)	\$	215.00

RETROFITTING THE 3-PIN STANDARD SOCKET ON THE TRACTOR

The 26 ft (8m) cable is bolted directly on the terminals on the battery. On the other side, a 3-pin standard socket is mounted, which can be permanently installed on the tractor.



ITEM NO.	RETROFITTING THE 3-PIN STANDARD SOCKET ON THE TRACTOR		
00410-2-022	Tractor cable set (26 ft (8m)) ²	\$	468.00

MOUNTING KIT FOR MD OR PS ON A 2ND SOIL TILLAGE IMPLEMENT

The mounting kit contains the most important parts for mounting an MDP or a PS 120–500 on a second soil tillage implement. This means you do not always have to mount and dismount these parts. This kit contains 1 roll of hose (82 ft (25m)), 6 or 8 stainless steel dispersion plates, hinged bolt clamps, 3 or 4 hexagonal shafts (4 ft (1.2m)), 1 counter plate and cable ties.



ITEM NO.	MOUNTING KIT FOR MD OR PS ON A 2ND SOIL TILLAGE IMPLEMENT		
11000-2-121	Mounting kit MDP on the 2nd soil tillage implement	\$	668.00
04000-2-310	Mounting kit for mounting PS on the 2nd soil tillage implement	\$	1,084.00

CONTROL BOX BRACKET

There are many different control box brackets for installing the control box.



ITEM NO.	CONTROL BOX BRACKET		
04000-3-418	Control Box mounting bracket	\$	24.00
00300-2-164	Universal control box bracket for Müller bracket (tube)	\$	59.00

ACCESSORIES FOR PS

⚠ These accessory parts are for implements from the Standard PS Series, the PS Fertilizer Edition and the Twin PS.

CONVERSION TO ELECTRIC FAN PLUS

This kit is required if the electric fan's air capacity is insufficient. The kit is compatible with PS 120–500, PS 120–500 D and PS 300-500 D TWIN. The power supply for the electric fan PLUS comes directly from the battery. The cable set for this is supplied with the **electric fan PLUS**.

Make sure that the power of the alternator of the towing vehicle is sufficient.



ITEM NO.	CONVERSION KIT FOR ELECTRIC FAN PLUS		
04000-2-882	Conversion to electric fan PLUS ¹	\$	2,556.00
04100-2-002	Cable set for fan PLUS (for the power supply on another tractor)	\$	410.00
04100-2-004	Power supply extension cable for fan PLUS (6.6 ft (2m))	\$	308.00
04100-2-014	Power supply extension cable for fan PLUS (16.4 ft (5 m))	\$	356.00
04100-2-018	Cover electric fan PLUS foldable	\$	617.00

CONVERSION TO HYDRAULIC FAN

This kit is required when more air capacity is needed.



ITEM NO.	CONVERSION KIT FOR ELECTRIC FAN TO HYDRAULIC FAN		
08001-2-101	HG 300 conversion kit for PS 120–PS 500	\$	5,105.00

CASE DRAIN FOR HYDRAULIC FAN

Additional line for safe drainage of hydraulic oil without pressure build-up, protects the engine from overload.

ITEM NO.	CASE DRAIN FOR HYDRAULIC FAN		
08000-2-014	Case Drain for hydraulic fan	\$	326.00

HOSE COUPLER

The hose coupler makes it easier to switch the PS among several soil tillage implements. Disconnecting is possible without tools; combination recommendation: accessories kit for PS on a 2nd soil tillage implement (04000-2-310)



ITEM NO.	HOSE COUPLER		
00300-2-215	Mounting kit for hose coupler (per unit)	\$	63.00
00300-2-216	Accessories kit for hose coupler (for another soil tillage implement) (per unit)	\$	43.00

ADDITIONAL FREQUENTLY REQUIRED PARTS

ITEM NO.	ACCESSORIES		
00600-3-627	1 roll of hose 1" (82 ft (25m))	\$	198.00
04000-3-478	Dispersion plate (per unit)	\$	44.00
04000-3-057	Stainless steel dispersion plate (per unit)	\$	63.00
04000-3-701	Hexagonal bars (per unit)	\$	57.00
04000-3-060	Counter plate (PS 120–PS 500)	\$	206.00
00600-3-331	Hinged bolt clamp (per unit)	\$	5.00
04000-2-423	Dispersion plate incl. fastening bolt	\$	46.00
04000-2-521	Fertilizer dispersion plate incl. fastening bolt	\$	65.00
08001-2-110	Attachment kit leakage oil line HG300	\$	332.00
For blanking an outlet:			
04000-2-286	Blank outlet conversion kit (PS 120-500)	\$	244.00
For blanking of further outlets:			
04000-2-287	Blank wheel for 1 outlet	\$	55.00
00600-3-767	Tube plug	\$	2.00



CARRIERS

IMPLEMENT CARRIER MT2 FERTILIZER

The Implement Carrier MT2 with corrosion-resistant coating ensures flexible use of our Pneumatic Seeders, since there is no need to mount it directly on the trailed soil tillage implement. Only the hose system and the dispersion plates are mounted on the implement.

COMBINATION OPTIONS

The Implement Carrier can be combined with the following Pneumatic Seeders:

- 1 unit PS 120-1100 (see pages 26–31) or PS 120-800 D fertilizer edition (see pages 36–40) or
- 1 unit PS 1600 (see page 32) or PS 1600 D (see page 42)
- Please note: Not compatible with PS 1600 standalone
- Combination recommendation: hose coupler (page 76)

TECHNICAL DATA

	MT2
Transport dimensions (without PS) in m (H x W x D)	4.4 x 6.4 x 4.8 ft (1.35x1.95x1.45m)
Net weight	661 lbs (300kg)
Mounting category	Tractor-side CAT 3 or CAT 4 Implement-side CAT 2, CAT 3 or CAT 4 Various attachments (see accessories)

ITEM NO.	IMPLEMENT CARRIER		
09002-1-015	MT2 fertilizer inkl. catch hook CAT 3	\$	8,148.00

ITEM NO.	ACCESSORIES		
09001-2-002	Ball-head attachment	\$	2,679.00
09001-2-003	Towing eye	\$	1,762.00
09002-2-012	Lower linkage hitch	\$	1,932.00
09002-2-055	Cable and hose extension	\$	1,361.00
09002-2-009	Hose extension for 4th control unit ¹	\$	310.00
09002-2-010	Hose extension for load sensing (ls) line ¹	\$	206.00
09002-2-011	Hose extension for return line ^{1,2}	\$	633.00

¹ Only possible in combination with 09002-2-055
² Return line for pressureless return



FRONT FRAME

The Front Frame enables the mounting of PS 120–800 or SMART TWIN 120–500 for lateral distribution on the tractor in the direction of travel as well as PS 120–500 or SMART TWIN 120–500 in the front mounting position in combination with a harrow. It is supplied as standard equipment and can optionally be fitted with an additional weight of 1,323 lbs (600 kg). Thanks to the optimal combination with a harrow, the front frame allows for independent seeding with the PS as well as cost-effective retrofitting of existing PS equipment.



COMBINATION OPTIONS

The Front Frame can be combined with the following Pneumatic Seeders: 1 unit PS 120-800, 1 unit PS 120-800 D Fertilizer Edition, 1 unit SMART TWIN 120-500 or 1 unit PS 300-500 D TWIN.

TECHNICAL DATA

	Front Frame + PS 120	Front Frame + PS 200	Front Frame + PS 300	Front Frame + PS 500	Front Frame + PS 800
Frame width in inches	38.8 (98.5 cm)				
Transport dimensions (Front Frame + PS) in ft (HxWxD)	4.2 x 3.9 x 3.4 (1.27 x 1.18 x 1.05 m)	4.6 x 3.9 x 3.4 (1.40 x 1.18 x 1.05 m)	4.9 x 3.9 x 3.4 (1.50 x 1.18 x 1.05 m)	5.3 x 4.1 x 3.5 (1.62 x 1.25 x 1.07 m)	5.4 x 5.5 x 3.8 (1.64 x 1.69 x 1.15 m)
Transport dimensions (Front Frame + air boom + PS) in ft (HxWxD)	7.2 x 7.6 x 4.8 (2.19 x 2.32 x 1.45 m)				-
Working width air boom	20 ft (6 m)				
Net weight frame	276 lbs (125 kg)				
Hitch category	CAT 2				

ITEM NO.	FRONT FRAME		
10001-1-000	Front Frame	\$	2,732.00
10001-1-001	Front Frame incl. air boom ¹ 20 ft (6 m)	\$	3,427.00
10001-1-002	Front Frame incl. additional weight 1,323 lbs (600 kg)	\$	5,058.00
10001-1-003	Front Frame inkl. air boom ¹ 20 ft (6 m) and additional weight 1,323 lbs (600 kg)	\$	5,756.00

¹ Only possible in combination with 09002-2-007
² Return line for pressureless return

LIQUID FERTILIZER LF

LF 600

ADVANTAGES

- Precise distribution of liquids via the distribution head to the individual nozzles
- Precise or full-surface application of many different liquids (liquid fertilizers, microorganisms, compost tea, etc.)
- Liquid fertilizer is more readily available to the plants, thereby offering a major advantage under dry conditions
- Easy operation with ISOBUS is possible
- A wide range of outlets, nozzles, etc. gives you a lot of options.
- Ground speed-related liquid application and headland management with sensors (optional)
- Quick coupling thanks to 3-point hitch (CAT 1 and CAT 2) and the possibility of attaching to a wide range of tillage implements
- Application and soil tillage in one pass

TECHNICAL DATA

	LF 600		LF 600 (BIG PUMP)	
Variant of the control unit	5.2 and ISOBUS		Control Box 5.2	ISOBUS
Liquid tank	159 U.S.gallon (600l)			
Pure water tank	4 U.S.gallon (15l)			
Dimensions in inches (H x W x D)	55 x 59 x 31 (140x150x80cm)			
Net weight	331 lbs (150kg)			
Power data	12 V / 20 A			
Pump flow	0.5–5.3 U.S.gallon/min (2–20 l/min)	2.6–5.8 U.S.gallon/min (10–22 l/min)	1.6–6.6 U.S.gallon/min (6–25 l/min)	
Maximum pump pressure	4 bar		3 bar	
Three-point linkage	CAT 1 and CAT 2			

STANDARD SCOPE OF DELIVERY

- Complete implement with hose system up to the hose coupler
- 20 ft (6m) cable from the pump to the Control Box
- Flow sensor for regulating the pump
- Filling sleeve on the folding lid
- Suction filter upstream of the pump
- Fresh water tank for washing hands or cleaning the implement
- Agitator function thanks to the pump
- LED lighting with indicators
- Visual fill level indicator via float ball
- Emptying function
 - With pump via Control Box or
 - With outlet valve at the bottom of the hopper
- 2x 3-way valve
- Fast coupler for the 3/4-inch hose connection



ITEM NO.	LIQUID FERTILIZER		
13001-1-000	LF 600 incl. Control Box 5.2	\$	10,259.00
13001-1-001	LF 600 without Control Box 5.2 ¹	\$	9,373.00
13001-1-002	LF 600 incl. ISOBUS	\$	11,604.00
13001-1-004	LF 600 up to 5.8 U.S.gallon/min (22 l/min) incl. Control Box 5.2	\$	10,592.00
13001-1-005	LF 600 up to 5.8 U.S.gallon/min (22 l/min) without Control Box 5.2	\$	9,749.00
13001-1-006	LF 600 up to 6.6 U.S.gallon/min (25 l/min) incl. ISOBUS	\$	12,474.00

⚠ The Liquid Fertilizer LF 600 is NOT approved for applying crop protection products!

ITEM NO.	ACCESSORIES		
00410-2-148	Extension cable PS MX 6.6 ft (2m)	\$	218.00
00410-2-149	Extension cable PS MX 16 ft (5m)	\$	294.00
00410-2-022	Tractor cable set 26 ft (8m)	\$	468.00
13000-2-011	Distribution head ² with 12 outlets (1 mm spot jet nozzle)	\$	1,131.00
13000-2-012	Distribution head ² with 24 outlets (1 mm spot jet nozzle)	\$	1,650.00
13000-2-019	Distribution head ² with 36 outlets (1 mm spot jet nozzle)	\$	1,792.00
13000-2-013	Distribution head ² with 48 outlets (1 mm spot jet nozzle)	\$	2,324.00
13000-3-001	Spot jet nozzle LF 0.08 in (2mm)	\$	11.00
13000-3-002	Spot jet nozzle LF 0.12 in (3mm)	\$	11.00
00601-3-965	Blind plug 0.32 in (8mm)	\$	3.00
13000-2-020	Adapter for Teejet nozzle holder	\$	22.00
13000-2-041	LF nozzle holder	\$	49.00
13001-2-006	ISOBUS retrofit kit for LF	\$	2,443.00

Additional outlets and nozzles available on request!

The speed sensors can be found on pages 70–72.

¹ You need software version 1.27 or newer on Control Box 5.2.

² Incl. hose coupler, hose system, pressure gauge and nozzles

GRASSLAND HARROW GS

GS 300 / GS 600



ADVANTAGES

- 1 machine - 4 operations: levelling, harrowing, aeration and seeding
- Harrowing of matted plants and weeds in grassland with simultaneous grass reseeding
- Aeration of the grassland to improve plant growth and increase yield
- Spring-mounted levelling plate for levelling out molehills or slight unevenness in the ground
- Tine combination is unique in agricultural engineering
- Each tine section adapts perfectly to the ground
- Can also be used in arable farming for reseeding or forage cultivation

TECHNICAL DATA

	GS 300	GS 600
Working width	10 ft (3m)	20 ft (6m)
Transport dimensions (with seeder) in ft (HxWxD)	6.8 x 10 x 5.9 (2.06x3.00x1.80m)	-
Transport dimensions (without seeder) in ft (HxWxD)	4.2 x 10 x 5.9 (1.27x3.00x1.80m)	-
Transport dimensions (folded) in ft (HxWxD)	-	9.8 x 10 x 6.5 (2.98x3.00x1.98m)
Line spacing	2.95 in (75mm) (0.40 in (10mm) tines) 1.96 in (50mm) (0.32 in (8mm) tines)	
Number of tines	40 pcs. (0.40 in (10mm) tines) 60 pcs. (0.32 in (8mm) tines)	80 pcs. (0.40 in (10mm) tines) 120 pcs. (0.32 in (8mm) tines)
Weight of Full Edition	1,168 lbs (530kg)	2,315 lbs (1,050kg)
Feeler wheels (16.0/6.5-8" tyres)	2 pcs.	4 pcs.
Mounting category	CAT 2 / CAT 2N	CAT 2
Tractor performance	above 20 kW / 27 HP	above 50 kW / 70 HP

▲ GS 600: A single-acting or, at extra cost, a double-acting control unit is required for folding

STANDARD SCOPE OF DELIVERY

- Complete implement with 2 rows of cranked 0.40 in (10mm) tines at the front, single-acting folding
- 2 rows of cranked 0.32 in (8mm) tines at the rear
- 3 parking supports (GS 600)

FULL EDITION SCOPE OF DELIVERY

With the Full Edition, you receive the following in addition to the standard scope of delivery: LED lighting, spring-mounted levelling plate, platform kit, mounting kit and Pneumatic Seeder PS 200 M1 (GS 300 M1) or PS 300 (GS 600) with electric fan incl. Control Box 5.2 and sensor set (wheel sensor + linkage sensor top link)

ITEM NO.	GRASSLAND HARROW	
07001-6-024	GS 300	\$ 7,617.00
07002-6-049	GS 600 (single-acting)	\$ 16,801.00
07002-6-179	GS 600 (double-acting) Full Edition + PS 300	\$ 31,929.00

Full Edition equipment, see Full Edition scope of delivery

ITEM NO.	GS 300 ACCESSORIES	
07001-2-022	Spring-mounted levelling plate	\$ 2,438.00
07013-2-222	Warning signs + LED lighting GS	\$ 1,139.00
07000-2-008	Mounting kit for PS 120-300 M1 on GS 300	\$ 804.00
07000-2-030	Sensor set: wheel sensor + linkage sensor top link for the GS	\$ 831.00
07000-2-019	Platform kit for Grassland Harrow	\$ 903.00
07001-2-023	Adjustment spindle	\$ 359.00

ITEM NO.	GS 600 ACCESSORIES	
07002-2-036	Spring-mounted levelling plate	\$ 4,295.00
07013-2-222	Warning signs + LED lighting GS	\$ 1,139.00
07000-2-030	Sensor set: wheel sensor + linkage sensor top link for the GS	\$ 831.00
07000-2-019	Platform kit for Grassland Harrow	\$ 903.00
07000-2-041	Adjustment spindle	\$ 489.00
07002-2-107	Double-acting hydraulic cylinder	\$ 396.00

COMBINATION OPTIONS

Can be used with Pneumatic Seeders PS 120-300: see pages 26-27 or SMART TWIN 120-300: see pages 48-49 with electric fan, electric fan PLUS or hydraulic fan

GS 300: Additional combination option with Multi-Metering System MDP 100: see page 16

GRASSLAND PRO HARROW GP

GP 300



ADVANTAGES

- 1 machine - 5 operations: levelling, harrowing, aeration, seeding and rolling
- Harrowing of matted plants and weeds in grassland with simultaneous grass reseeding
- Aeration of the grassland to improve plant growth and increase yield
- Strong, spring-mounted levelling plate for levelling out molehills or slight unevenness in the ground
- Optimum germination conditions by rolling the seed
- Tine combination is unique in agricultural engineering
- Can also be used in arable farming: intercropping, forage cultivation, seedbed preparation, destruction of maize stubble after the maize harvest

TECHNICAL DATA

	GP 300
Working width	10 ft (3m)
Transport dimensions (with seeder) in ft (H x W x D)	7.5 x 10 x 7.7 (2.30x3.00x2.36m)
Transport dimensions (without seeder) in ft (H x W x D)	4.2 x 10 x 7.7 (1.28x3.00x2.36m)
Line spacing	2.95 in (75mm) (0.47 in (12mm) tines) 1.96 in (50mm) (0.32 in (8mm) tines)
Number of tines	40 pcs. (0.47 in (12mm) tines) / 60 pcs. (0.32 in (8mm) tines)
Weight (Cambridge Roller 390 mm) (Full Edition)	2,987 lbs (1,355 kg)
Weight (Cambridge Roller 530 mm) (Full Edition)	3,671 lbs (1,665kg)
Weight (Toothed Ring Roller 410 mm) (Full Edition)	3,891 lbs (1,765kg)
Mounting category	CAT 2 (CAT 3 mast height)
Tractor performance	above 65 kW / 90 HP

▲ A double-acting control unit is required for roller adjustment

STANDARD SCOPE OF DELIVERY

- Complete implement with 2 tine sections and a roller
- Spring-mounted levelling plate
- Heavy grassland Cambridge Roller (Ø 15.4 in (390mm) or Ø 20.9 in (530mm)) or toothed Ring Roller (Ø 16.1 in (410mm))
- Tool compartment integrated in the frame

FULL EDITION SCOPE OF DELIVERY

With the Full Edition, you receive the following in addition to the standard scope of delivery: LED lighting, platform kit, Pneumatic Seeder PS 300 with electric fan incl. Control Box 5.2 and sensor set (GPSa sensor + linkage sensor top link)

ITEM NO.	GRASSLAND PRO HARROW	
06001-6-019	GP 300 (Cambridge roller 20.9 in (530mm))	\$ 27,202.00
06001-6-020	GP 300 (Toothed Ring Roller 16.1 in (410mm))	\$ 27,202.00
06001-6-073	GP 300 (Cambridge Roller 20.9 in (530mm)) Full Edition + PS 300	\$ 40,012.00
06001-6-074	GP 300 (Toothed Ring Roller 16.1 in (410mm)) Full Edition + PS 300	\$ 40,012.00
	Full Edition equipment, see Full Edition scope of delivery	

ITEM NO.	ACCESSORIES	
06023-2-058	Warning signs + LED lighting GP 300	\$ 986.00
06000-2-014	Sensor set: GPSa sensor + linkage sensor top link GP	\$ 2,102.00
06000-2-034	Platform kit for Grassland Pro Harrow 300	\$ 1,476.00
06004-2-115	Toolbox	\$ 655.00
06000-2-012	Angle for dispersion plate installation (8 units)	\$ 191.00

COMBINATION OPTIONS

Can be used with Pneumatic Seeders PS 120-500: see pages 26–28 or SMART TWIN 120–500: see pages 48-49 with electric fan, electric fan PLUS or hydraulic fan

GRASSLAND PRO HARROW GP

GP 600 / GP 750

ADVANTAGES

- 1 machine - 5 operations: levelling, harrowing, aeration, seeding and rolling
- Harrowing of matted plants and weeds in grassland with simultaneous grass reseeding
- Aeration of the grassland to improve plant growth and increase yield
- Strong, spring-mounted levelling plate for levelling out molehills or slight unevenness in the ground
- Optimum germination conditions by rolling the seed
- Tine combination is unique in agricultural engineering
- Can also be used in arable farming: intercropping, forage cultivation, seedbed preparation, destruction of maize stubble after the maize harvest

TECHNICAL DATA

	GP 600	GP 750
Working width	20 ft (6m)	25 ft (7.5m)
Transport dimensions in ft (H x W x D)	10.5 x 10 x 18.7 (3.20x3.00x5.70m)	9.7 x 10 x 21 (3.95x3.00x6.40m)
Line spacing	2.95 in (75mm) (0.47 in (12mm) tines) 1.96 in (50mm) (0.32 in (8mm) tines)	
Number of tines	80 pcs. (0.47 in (12mm) tines) 120 pcs. (0.32 in (8mm) tines)	100 pcs. (0.47 in (12mm) tines) 152 pcs. (0.32 in (8mm) tines)
Axle load (Full Edition with PS 500)	7,717 lbs (3,500kg)	8,598 lbs (3,900kg)
Drawbar load (Full Edition with PS 500)	3,748 lbs (1,700kg)	4,189 lbs (1,900kg)
Tyres	500-50-17" or 400-60-15.5"	
Mounting category	CAT 3 / 3 N or K 80 ball coupling	
Tractor performance	from 88 kW / 120 HP	from 110 kW / 150 HP

▲ The Grassland Pro Harrow can be configured in many different versions (different sizes of Pneumatic Seeders, tine sections, rollers, feeler wheels at the rear, different tyre dimensions on the chassis). Ask you sales representative for more information!

FULL EDITION SCOPE OF DELIVERY

- Complete implement with 2 tine sections and a roller
- Spring-mounted levelling plate
- Heavy grassland Cambridge Roller (Ø 20.9 in (530mm)) or Toothed Ring Roller (Ø 16.1 in (410mm) or Ø 21.7 in (550mm))
- Tool compartment integrated in the frame
- Equipment for use on public roads (LED lighting, pneumatic brake, wheel covers, wheel chocks, parking brake, anti-theft device)
- Hydraulic transport lock
- Pneumatic Seeder PS 500 M2 with hydraulic fan incl. Control Box 5.2
 - The GP 750 is always delivered with 16 outlets on the Pneumatic Seeder.
- Platform kit
- Sensor set (GPSa sensor + linkage sensor chassis mounted on the roller frame)

COMBINATION OPTIONS

Can be used with Pneumatic Seeders PS 300-1100: see pages 26–30 or SMART TWIN 120–500: see pages 48-49 with electric fan, electric fan PLUS or hydraulic fan



ITEM NO.	GRASSLAND PRO HARROW		
06028-6-178	GP 600 (Toothed Ring Roller 21.7 in (550mm)) Full Edition + PS 500 + Chassis Dampening	\$	93,816.00
06028-001030	GP 600 (Toothed Ring Roller 21.7 in (550mm)) Full Edition + PS 800 + Chassis Dampening	\$	100,735.00
06028-6-001032	GP 600 (Toothed Ring Roller 21.7 in (550mm)) Full Edition + PS 1100 + Chassis Dampening	\$	104,303.00
06029-6-001019	GP 750 (Toothed Ring Roller 21.7 in (550mm)) Full Edition + PS 1100 + Chassis Dampening	\$	119,337.00

ITEM NO.	TOP SELLER INCL. ISOBUS		
06028-6-001031	GP 600 (Toothed Ring Roller 21.7 in (550 mm)) Full Edition + PS 800 + ISOBUS + Chassis Dampening	\$	99,365.00
06028-6-001033	GP 600 (Toothed Ring Roller 21.7 in (550 mm)) Full Edition + PS 1100 + ISOBUS + Chassis Dampening	\$	102,908.00
06029-6-001020	GP 750 (Toothed Ring Roller 21.7 in (550 mm)) Full Edition + PS 1100 + ISOBUS + Chassis Dampening	\$	117,941.00

Full Edition equipment, see Full Edition scope of delivery

ITEM NO.	ACCESSORIES		
06028-2-275	Platform kit for PS 300–800 on GP 600	\$	1,954.00
06028-2-420	Platform kit for PS 1100 on GP 600	\$	1,956.00
06029-2-009	Platform kit for PS 500–800 on GP 750	\$	2,289.00
06029-2-089	Platform kit for PS 1100 on GP 750	\$	2,289.00
06028-2-276	Dispersion plate mounting 8 outlets for PS 300–500 on GP 600	\$	237.00
06028-2-277	Dispersion plate mounting 16 outlets for PS 800/PS 1100 on GP 600	\$	348.00
06029-2-008	Dispersion plate mounting 16 outlets for PS 800/PS 1100 on GP 750	\$	376.00
06028-2-278	Mounting kit for PS 500 mounting on GP 600	\$	1,187.00
06029-2-013	Mounting kit for PS 500 mounting on GP 750	\$	1,129.00
06028-2-279	Mounting kit for PS 800/PS 1100 mounting on GP 600	\$	1,527.00
06029-2-014	Mounting kit for PS 800/PS 1100 mounting on GP 750	\$	1,527.00
06028-2-421	Linkage sensor without GPSa sensor	\$	3,065.00
06028-2-422	Linkage sensor with GPSa sensor	\$	3,065.00
06028-2-315	Hydraulic tine adjustment GP 600	\$	2,913.00
06029-2-011	Hydraulic tine adjustment GP 750	\$	2,913.00
06028-2-316	Hydropneumatic chassis damping GP 600 ¹	\$	1,205.00
06029-2-012	Hydropneumatic chassis damping GP 750 ¹	\$	1,205.00
06028-2-319	Hydraulic drawbar with K80 ball head hitch for GP 600 / GP 750	\$	5,308.00
06028-2-283	Toolbox ²	\$	308.00
Configuration upon request	WITHOUT equipment for use on public roads; price reduction ³	\$	- 4,156.00

³ The trailed exchangeable APV implement GP 600 / GP 750 handed over by the salesperson, APV Technische Produkte GmbH, as agreed **without** the approval required **for use in traffic on public roads**. The trailed exchangeable APV implement GP 600 / GP 750 M2 does not have an EC operating license nor a type or individual approval and **therefore must not be used in traffic on public roads**. The purchaser undertakes to obtain the necessary licences and permits for the purchased implement if they wish to use it on public roads. The liability of APV Technische Produkte GmbH towards entrepreneurs is excluded to the extent permitted by law. Moreover, APV Technische Produkte GmbH is not liable to consumers for slight negligence.

¹ Availability on request

² Only possible with rigid drawbar and if slit seeding has not been selected.

GRASSLAND PRO HARROW WITH SLIT SEEDING

GP 600 / GP 750

The Grassland Pro Harrow has already established itself as the professional in grassland reseeding. With the hydraulically adjustable slit seeding elements, the Grassland Pro Harrow can be used even more universally on any farm. In principle, the slit seeding is ideal for reseeding grassland. The combination: 12 mm tines, slit seeding and roller is unique. The tines tear up the soil, the slit seeding elements place the seed precisely in the ground and the roller presses the seed down to improve germination. This system can also be used for precise and accurate seeding of cover crops or grain.



TECHNICAL DATA

	GP 600	GP 750
Number of rows	48 rows	60 rows
Row spacing	4.9 in (12.5 cm)	
Distribution Heads	2x24 Distribution Heads	2x30 Distribution Heads
Seeding depth	up to 1.2 in (3 cm)	

STANDARD SCOPE OF DELIVERY

The slit seeding is a supplementary equipment for GP 600 and GP 750.

- 48 or 60 drag shares with carbide tipping
- Hydraulic pressure adjustment of the slotted shoes
- Distribution Heads
- Bracket for Distribution Heads
- Air hoses + components
- Rigging set for air hoses



ADVANTAGES

- Targeted, precise seed placement
- Better germination → Better emergence
- Less seed consumption
- Compact design
- Optimum ground clearance during turning thanks to double cylinder system

APPLICATIONS

- Grassland reseeding
- Cover crop seeding
- Grain seeding

ITEM NO.	SLIT SEEDING FOR GRASSLAND PRO HARROW	
06028-6-001034	GP 600 (Toothed Ring Roller 21.7 in (550mm)) + PS 1100 + Control Box 5.2 + Slit seeding	\$ 133,599.00
06028-6-001035	GP 600 (Toothed Ring Roller 21.7 in (550mm)) + PS 1100 + ISOBUS + Slit seeding	\$ 132,283.00
06029-6-001022	GP 750 (Toothed Ring Roller 21.7 in (550mm)) + PS 1100 + Control Box 5.2 + Slit seeding	\$ 157,142.00
06029-6-001023	GP 750 (Toothed Ring Roller 21.7 in (550mm)) + PS 1100 + ISOBUS + Slit seeding	\$ 155,826.00



ADVANTAGES OF GRASSLAND MAINTENANCE

LEVELLING

- Flat meadow surface → less forage contamination
- Less wear on the mower blades

HARROWING

- Pulling out unwanted grasses and herbs that are critical from a livestock farming perspective
- Roughening the ground surface
- Combing out old, dead grass
- Spread dry cow dung, manure and soil crosswise

AERATION

- Aerating the surface of the grassland
- Stimulation of stocking
- Fine-crumbled soil for optimum seed placement
- Fine distribution of surface material (soil, dead grass, manure, cow dung)

SEEDING

- Reseeding in grassland is increasingly being moved to late summer/autumn (dew formation → warm during the day/cool at night)
- Reduced risk of drying out and late frost (see spring reseeding)
- Higher soil temperature → faster germination in late summer
- Use the growing season in autumn → first yield the following year

ROLLING

- Reduce feed contamination
- Faster seed germination
- Improved soil sealing

GRASSLAND COMBI GK

GK 250 / GK 300



ADVANTAGES

- 1 machine - 5 operations: levelling, harrowing, aeration, seeding and rolling
- Harrowing of matted plants and weeds in grassland with simultaneous grass reseeding
- Aeration of the grassland to improve plant growth and increase yield
- Strong, spring-mounted levelling plate for levelling out molehills or slight unevenness in the ground
- Optimum germination conditions by rolling the seed
- The roller and harrow can be separated, fastened and mounted without tools
- Separate use of the roller and harrow is possible
- Harrow can be mounted on the front for tractors and two-axle mowers (optional)
- Independent adjustment of the aggressiveness of the individual harrow rows

TECHNICAL DATA

	GK 250	GK 300
Working width	7.9 ft (2.4m)	10 ft (3m)
Transport dimensions (with seeder) in ft (H x W x D)	6.9 x 8 x 6.5 (2.10x2.44x1.98m)	6.9 x 10 x 6.5 (2.10x3.00x1.98m)
Transport dimensions (without seeder) in ft (H x W x D)	4.3 x 8 x 6 (1.31x2.44x1.82m)	4.3 x 10 x 6 (1.31x3.00x1.82m)
Line spacing	2.95 in (75mm)	
Number of tines	33 pcs.	41 pcs.
Weight (Cambridge Roller 390 mm) (Full Edition with PS 200)	2,183 lbs (990kg)	2,447 lbs (1,110kg)
Weight (Cambridge Roller 530 mm) (Full Edition with PS 200)	2,557 lbs (1,160kg)	2,976 lbs (1,350kg)
Weight (Toothed Ring Roller 550 mm) (Full Edition with PS 200)	2,778 lbs (1,260kg)	3,197 lbs (1,450kg)
Mounting category	CAT 2	
Tractor performance	55 kW / 75 HP	66 kW / 90 HP

▲ A double-acting control unit is required for roller adjustment

STANDARD SCOPE OF DELIVERY

- Complete implement with 2 weeder rows and roller
- Two weeder rows with cranked 0.47 in (12mm) tines, optionally also with 0.40 in (10 mm) tines
- Spring-mounted levelling plate
- Grassland Cambridge Roller (Ø 15.4 in (390mm) or Ø 20.9 in (530mm)) or Toothed Ring Roller (Ø 21.7 in (550mm))
- Hydraulic roller cylinder
- Parking support on the harrow and roller
- Tool compartment integrated in the roller frame and harrow

FULL EDITION SCOPE OF DELIVERY

With the Full Edition, you receive the following in addition to the standard scope of delivery: LED lighting, levelling plate, platform kit, dispersion plate installation, Pneumatic Seeder PS 200 M1 or Multi-Metering System MDP 100 with electric fan incl. Control Box 5.2 and sensor set (GPSa sensor + linkage sensor top link)



ITEM NO.	GRASSLAND COMBI	
06009-6-024	GK 250 (Cambridge Roller 15.4 in (390mm))	\$ 16,855.00
06009-6-025	GK 250 (Cambridge Roller 20.9 in (530mm))	\$ 18,160.00
06009-6-026	GK 250 (Toothed Ring Roller 21.7 in (550mm))	\$ 18,160.00
06009-6-062	GK 250 (Toothed Ring Roller 21.7 in (550mm)) Full Edition + PS 200	\$ 30,967.00
06012-6-054	GK 300 (Cambridge Roller 15.4 in (390mm))	\$ 18,413.00
06012-6-055	GK 300 (Cambridge Roller 20.9 in (530mm))	\$ 19,710.00
06012-6-056	GK 300 (Toothed Ring Roller 21.7 in (550mm))	\$ 19,710.00
06012-6-173	GK 300 (Toothed Ring Roller 21.7 in (550mm)) Full Edition + PS 200	\$ 32,517.00

Full Edition equipment, see Full Edition scope of delivery

Do you have any special requirements that our Full Edition product does not cover? We would be pleased to configure your own special implement. Please contact your APV sales representative for more information.

ITEM NO.	ACCESSORIES	
06008-2-066	Skid Steer Adjustable Universal quick attachment kit for GK and GW	CALL FOR SPECIAL PRICING
00410-2-022	Cable set for tractor 26.2 ft (8m)	
06008-2-021	Accessories for front mounting of the Meadow Harrow (for tractor and two-axle mower)	\$ 2,413.00

COMBINATION OPTIONS

Can be used with Pneumatic Seeders PS 120–300: see pages 26–27 or SMART TWIN 120–300: see pages 48–49 with electric fan, electric fan PLUS or hydraulic fan and with Multi-Metering System MDP 100: see page 16

GRASSLAND COMBI WITH SLIT SEEDING GK S

GK 300 S



ADVANTAGES

- 1 machine - 5 operations: levelling, harrowing, aeration, seeding and rolling
- Harrowing of matted plants and weeds in grassland with simultaneous grass reseeding
- Aeration of the grassland to improve plant growth and increase yield
- Targeted, precise seed placement
- Better germination → better emergence
- Less seed consumption
- Strong, spring-mounted levelling plate for levelling out molehills or slight unevenness in the ground
- Optimum germination conditions by rolling the seed
- Front attachment of the harrow for tractor

TECHNICAL DATA

	GK 300 S
Working width	10 ft (3m)
Transport dimensions (without seeder) in ft (H x W x D)	6 x 10 x 6,6 (1.82 x 3.00 x 2.00 m)
Operating speed	3.7-7.4 mph (6-12 km/h)
Slit coulters	24 hydraulically adjustable slit coulters Coulter pressure: 154 lbs (70 kg)
Coulter spacing	5 in (125 mm)
Weight (with 1 seeder)	3,616 lbs (1,640 kg)
Weight (with 2 seeders)	3,748 lbs (1,700 kg)
Mounting category	CAT 2
Tractor performance	from 88 kW / 120 HP

⚠ A double-acting control unit required for adjusting the slit seeding elements

BASIC EQUIPMENT

- Complete machine with slit seeding elements and roller
- Spring-mounted levelling bar and toothed ring roller (Ø 21.7 in (550 mm))
- Parking support on main frame and roller
- Tool compartment integrated in the main frame and roller frame
- 24 spring-mounted slit coulters
- 2 Distribution Heads with 12 outlets
- Warning signs with LED lighting
- Platform kit

EXTENSION GK 300 S EASY

- **For slit seeding:** Pneumatic Seeder PS 300 with hydraulic fan and fill level sensor
- Control Box 5.2 incl. 7-pin signal cable



EXTENSION GK 300 S PROFI

- **For slit seeding:** Pneumatic Seeder PS 300 with hydraulic fan and fill level sensor
- ISOBUS

EXTENSION GK 300 S DUO

- **For slit seeding:** Pneumatic Seeder PS 300 with hydraulic fan and fill level sensor
- **For broadcast seeding:** Pneumatic Seeder PS 120 with electric fan and fill level sensor
- Each with ISOBUS

EXTENSION GK 300 S DUO TWIN

- **For slit seeding:** SMART TWIN 300 with hydraulic fan and fill level sensor
- **For broadcast seeding:** SMART TWIN 120 with electric fan and fill level sensor
- Each with ISOBUS and **Section Control**

ITEM NO.	GRASSLAND COMBI WITH SLIT SEEDING		
06031-1-003	GK 300 S Easy	\$	45,939.00
06031-1-004	GK 300 S Profi	\$	46,544.00
06031-1-005	GK 300 S Duo	\$	55,825.00
06031-1-006	GK 300 S Duo TWIN	\$	62,716.00

Do you have special requirements that are not covered by our GK S range? We would be pleased to configure your own special implement. Please contact your APV sales representative for more information.

ITEM NO.	ACCESSORIES		
06021-1-003	Front harrow with hydraulic tine adjustment	\$	13,890.00
06031-2-096	Retrofit kit for slit seeding incl. main frame ¹		Price on request

COMBINATION OPTIONS

Can be used with Pneumatic Seeders PS 120-300: see pages 26-27 or SMART TWIN 120-300: see pages 48-49 with electric fan, electric fan PLUS or hydraulic fan

¹ Pneumatic Seeder is not included in the price

GRASSLAND COMBI GK

GK 400

ADVANTAGES

- 1 machine - 5 operations: levelling, harrowing, aeration, seeding and rolling
- Harrowing of matted plants and weeds in grassland with simultaneous grass reseeding
- Aeration of the grassland to improve plant growth and increase yield
- Strong, spring-mounted levelling plate for levelling out molehills or slight unevenness in the ground
- Optimum germination conditions by rolling the seed
- The roller and harrow can be separated, fastened and mounted without tools
- Separate use of the roller and harrow is possible
- Independent adjustment of the aggressiveness of the individual harrow rows

TECHNICAL DATA

	GK 400
Working width	13 ft (4m)
Transport dimensions (with PS 300) in ft (H x W x D)	6.7 x 13.5 x 6 (2.04x4.12x1.85m)
Transport dimensions (without seeder) in ft (H x W x D)	3.7 x 13.6 x 6 (1.12x4.12x1.85m)
Weight (Toothed Ring Roller 550 mm) Net weight / Full Edition with PS 300	3,935 lbs (1,785kg) / 4,090 lbs (1,855kg)
Tine diameter	0.40 or 0.47 in (10 or 12mm)
Line spacing	2.95 in (75mm)
Number of tines	55 pcs.
Mounting category	CAT 2 / CAT 3 (recommended)
Tractor performance	91 kW / 125 HP

⚠ A double-acting control unit is required for roller adjustment

⚠ A single-acting control unit with pressureless return is required for PS with hydraulic fan (optional)

⚠ Observe the Road Traffic Regulations (STVO) transport width of over 13 ft (4m)!

STANDARD SCOPE OF DELIVERY

- Complete implement with 2 weeder rows and Toothed Ring Roller (Ø 21.7 in (550mm))
- Two weeder rows with cranked 0.40 or 0.47 in (10mm or 12mm) tines
- Spring-mounted levelling plate
- Hydraulic roller cylinder
- Parking support on the harrow and roller
- Tool compartment integrated in the roller frame and harrow



FULL EDITION SCOPE OF DELIVERY

With the Full Edition, you receive the following in addition to the standard scope of delivery: LED lighting, levelling plate, platform kit, dispersion plate installation, Pneumatic Seeder PS 300 M1 with elec. fan incl. Control Box 5.2 and sensor set (GPSa sensor + linkage sensor top link)

ITEM NO.	GRASSLAND COMBI	
06023-6-015	GK 400 (Toothed Ring Roller 21.7 in (550mm)) Full Edition + PS 300	\$ 41,913.00
06023-6-030	GK 400 (Toothed Ring Roller 21.7 in (550mm)) Full Edition + PS 500	\$ 46,471.00

Full Edition equipment, see Full Edition scope of delivery

Do you have any special requirements that our Full Edition product does not cover? We would be pleased to configure your own custom implement. Please contact your APV sales representative for more information.

COMBINATION OPTIONS

Can be used with Pneumatic Seeders PS 120-500: see pages 26–28 or SMART TWIN 120–500: see pages 48–49 with electric fan, electric fan PLUS or hydraulic fan and with Multi-Metering System MDP 100: see page 16

MEADOW HARROW WS

WS 250 / WS 300

ADVANTAGES

- 1 machine - 4 operations: levelling, harrowing, aeration and seeding
- Harrowing of matted plants and weeds in grassland with simultaneous grass reseeding
- Aeration of the grassland to improve plant growth and increase yield
- Spring-mounted levelling plate for levelling out molehills or slight unevenness in the ground
- Can be combined with the Grassland Roller GW for the Grassland Combi GK without tools
- Easy front mounting possible without tools
- Hydraulic tine pressure adjustment in front mounting
- Independent adjustment of the aggressiveness of the individual weeder rows
- Crank can be used to quickly adjust the levelling plate
- Installation of a Pneumatic Seeder or Multi-Metering System possible

TECHNICAL DATA

	WS 250	WS 300
Working width	7.9 ft (2.4m)	10 ft (3m)
Transport dimensions (with seeder) in ft (H x W x D)	6.9 x 8 x 4.1 (2.10x2.43x1.26m)	6.9 x 10 x 4 (2.10x3.00x1.26m)
Transport dimensions (without seeder) in ft (H x W x D)	4 x 8 x 4 (1.20x2.43x1.26m)	4 x 10 x 4 (1.20x3.00x1.26m)
Weight	529 lbs (240kg)	562 lbs (255kg)
Number of tines	33 pcs.	41 pcs.
Mounting category	CAT 2	
Tractor performance	above 20 kW / 27 HP	

STANDARD SCOPE OF DELIVERY

- Complete implement with 2 weeder rows with cranked 0.40 or 0.47 in (10mm or 12mm) tines
- Spring-mounted levelling plate
- Parking support
- Hydraulic cylinder for depth setting
- Front mounting incl. 2 feeler wheels



ITEM NO.	MEADOW HARROW		
06020-6-042	WS 250 Front	\$	12,387.00
06021-6-050	WS 300 Front	\$	12,917.00

ITEM NO.	TOP SELLER		
06021-1-003	WS 300 M1 Front with hydraulic tine adjustment and mechanical roller adjustment	\$	13,890.00

ITEM NO.	ACCESSORIES		
06020-2-026	Warning signs + LED lighting WS	\$	1,112.00
06020-2-027	Warning signs + LED lighting WS front	\$	1,248.00
06031-2-095	Hydraulic tine adjustment WS front	\$	1,187.00

COMBINATION OPTIONS

Can be used with Pneumatic Seeders PS 120-300 see pages 26–27 or SMART TWIN 120–300: see pages 48-49 with electric fan, electric fan PLUS or hydraulic fan and with Multi-Metering System MDP 100: see page 16

GRASSLAND ROLLER GW

GW 250 / GW 300 / GW 400



ADVANTAGES

- Optimum germination conditions by rolling the seed
- Optimal ground adaptation of the roller thanks to flexible roller rings
- Can be combined with a front harrow
- Can be combined with an APV seeder (PS or MD)
- Same frame as the GW 250 and GW 300 (option to upgrade from GW 250 to GW 300 is available)
- GW 400 with reinforced frame
- Can also be used as a front packer in arable farming

TECHNICAL DATA

	GW 250	GW 300	GW 400
Working width	7.9 ft (2.4m)	10 ft (3m)	13 ft (4m)
Transport dimensions (with seeder) in ft (H x W x D)	6.1 x 8 x 3.1 (1.86x2.44x0.95m)	6.1 x 10 x 3.1 (1.86x3.00x0.95m)	6.1 x 13.6 x 3.1 (1.86x4.13x0.95m)
Transport dimensions (without seeder) in ft (H x W x D)	3.6 x 8 x 2.5 (1.11x2.44x0.75m)	3.6 x 10 x 2.5 (1.11x3.00x0.75m)	3.6 x 13.6 x 2.5 (1.11x4.13x0.75m)
Weight (Cambridge Roller 390 mm)	1,054 lbs (478kg) ¹	1,243 lbs (564kg) ¹	2,066 lbs (937kg) ¹
Weight (Cambridge Roller 530 mm)	1,411 lbs (640kg) ¹	1,746 lbs (792kg) ¹	2,866 lbs (1,300kg) ¹
Weight (Toothed Ring Roller 550 mm)	1,733 lbs (756kg) ¹	2,006 lbs (910kg) ¹	3,053 lbs (1,385kg) ¹
Mounting category	CAT 2		
Tractor performance	37 kW / 50 HP depending on the lifting power		52 kW / 70 HP depending on the lifting power

▲ GW 400: Observe the Road Traffic Regulations (STVO) transport width of over 13 ft (4m)!

STANDARD SCOPE OF DELIVERY

- Complete implement with Grassland Cambridge Roller (Ø 15.4 in (390mm) or Ø 20.9 in (530mm)) or Toothed Ring Roller (Ø 21.7 in (550mm))
- Parking support
- Tool compartment integrated in the frame

ITEM NO.	GRASSLAND ROLLER		
06014-6-046	GW 250 (Cambridge Roller 15.4 in (390mm))	\$	7,516.00
06014-6-045	GW 250 (Cambridge Roller 20.9 in (530mm))	\$	8,615.00
06014-6-047	GW 250 (Toothed Ring Roller 21.7 in (550mm))	\$	8,615.00
06017-6-066	GW 300 (Cambridge Roller 15.4 in (390mm))	\$	8,615.00
06017-6-067	GW 300 (Cambridge Roller 20.9 in (530mm))	\$	9,920.00
06017-6-068	GW 300 (Toothed Ring Roller 21.7 in (550mm))	\$	9,920.00
06030-6-020	GW 400 (Cambridge Roller 15.4 in (390mm))	\$	11,063.00
06030-6-021	GW 400 (Cambridge Roller 20.9 in (530mm))	\$	12,772.00
06030-6-022	GW 400 (Toothed Ring Roller 21.7 in (550mm))	\$	12,772.00

ITEM NO.	ACCESSORIES		
06023-2-058	Warning signs + LED lighting GW	\$	986.00
06008-2-025	Dispersion plate installation GK 250	\$	293.00
06011-2-000	Dispersion plate installation GK 300	\$	321.00
06030-2-000	Dispersion plate installation GK 400	\$	351.00
00300-2-053	Sensor set: GPSa sensor + linkage sensor top link	\$	2,101.00
06008-2-009	Platform kit for Grassland Roller	\$	864.00
06008-2-032	Mounting kit for PS on GW	\$	869.00
06008-2-014	Mounting kit for MD on GW	\$	962.00

COMBINATION OPTIONS

Can be used with Pneumatic Seeders PS 120-300 see pages 26–27 or SMART TWIN 120–300: see pages 48-49 with electric fan, electric fan PLUS or hydraulic fan and with Multi-Metering System MDP 100: see page 16

ROTARY CRUSHER RC

RC 600 / RC 900 / RC 1200



ADVANTAGES

- Continuous breaking up of the crust
- Uprooting and burying of weeds
- High area coverage
- Constant pressure over the entire spring travel
- Innovative frame design with compact folding
- Good ground adaptation
- Centre of gravity close to tractor
- High quality finish
- High working pressure up to 66 lbs (30 kg) per star
- Stone protection grid

TECHNICAL DATA

	RC 600	RC 900	RC 1200
Working width	20 ft (6.15 m)	30 ft (9.20 m)	40 ft (12.30 m)
Dimensions unfolded in m (HxWxD)	5.5 x 21.1 x 7.0 (1.67 x 6.44 x 2.15 m)	5.8 x 31.12 x 6.2 (1.78 x 9.50 x 1.90 m)	5.8 x 41.0 x 6.2 (1.78 x 12.50 x 1.90 m)
Dimensions folded in m (HxWxD)	9.5 x 9.8 x 7.0 (2.90 x 2.98 x 2.15 m)	12.0 x 8.7 x 6.2 (3.65 x 2.65 x 1.90 m)	12.0 x 8.7 x 6.2 (3.65 x 2.65 x 1.90 m)
Net weight	4,851 lbs (2,200 kg)	8,267 lbs (3,750 kg)	9,480 lbs (4,300 kg)
Mounting category	CAT 2	CAT 3 / CAT 3N	
Ring spacing / line spacing	3.5 in (90 mm)		
Ring diameter	21.3 in (540 mm)		
Number of hoeing stars	68 pcs.	102 pcs.	136 pcs.
Number & dimension of feeler wheels	2 pcs. (18.5x8.5-8)	6 pcs. (18.5x8.5-8)	
Ideal driving speed	9-12 mph (15-20 km/h)		
Min. tractor performance	74 kW / 100 HP	103 kW / 140 HP	140 kW / 190 HP
Number of required control units	2 double-acting	3 double-acting	
Folding	3-part, double folding	4-part, M-folding	

STANDARD SCOPE OF DELIVERY

- Complete machine with Yetter hoeing stars
- One spring element per hoeing star for constant working pressure throughout
- Individual suspension of each star
- Hydraulic working pressure adjustment
- 2 or 6 feeler wheels for precise ground tracking
- Stone protection grid
- Hydraulic transport lock
- RC 600: double folding
- RC 900/1200: M-folding and integrated V-folding

ITEM NO.	ROTARY CRUSHER		
07036-6-013	RC 600	\$	56,051.00
07038-6-002	RC 900	\$	98,192.00
07033-6-003	RC 1200	\$	122,805.00

ITEM NO.	ACCESSORIES		
07012-2-148	Warning signs + LED lighting	\$	978.00
07040-2-073	Second pair of feeler wheels on the side frames for RC 600	\$	2,088.00
07036-2-041	Dispersion plate mounting for RC 600 incl. bracket for seeder	\$	2,200.00
07040-2-137	Maintenance bridge for RC 600	\$	2,216.00
07038-2-019	Distribution Head (12 outlets) incl. dispersion plate mounting for RC 900	\$	2,532.00
07033-2-138	Distribution Head (24 outlets) incl. dispersion plate mounting for RC 1200	\$	3,324.00

COMBINATION OPTIONS

RC 600: Can be used with Pneumatic Seeders PS 120-300: see pages 26-27 or SMART TWIN 120-300: see pages 48-49 with electric fan, electric fan PLUS or hydraulic fan incl. dispersion plate mounting and platform kit.

RC 900 & RC 1200: Can be used with Pneumatic Seeders PS 500-800: see pages 28-30 or SMART TWIN 120-500: see pages 48-49 with hydraulic fan in combination with Distribution Head: see page 54 and Front Frame: see page 79.



ROTARY WEEDER RW

RW 600 / RW 900 / RW 1200



ADVANTAGES

- Uprooting and burying of weeds by rotating harrow rings
- Weed control also in the crop row
- Continuous crust breaking and mobilisation of plant-available nutrients
- Rotary Weeder for large amounts of crop residue
- Blockage-free due to scraper (optional)
- Constant working pressure of up to 55 lbs (25 kg) over the entire spring travel ensures good ground adaptation
- Innovative frame design with compact folding
- Centre of gravity close to tractor
- Tool-free angle adjustment of the harrow rings

TECHNICAL DATA

	RW 600	RW 900	RW 1200
Working width	20 ft (6.15 m)	30 ft (9.30 m)	40 ft (12.30 m)
Dimensions unfolded in ft (HxWxD)	5.5 x 20.3 x 7.0 (1.67x6.2x2.15m)	5.8 x 31.2 x 7.0 (1.78x9.50x2.15m)	5.8 x 41.0 x 7.0 (1.78x12.50x2.15m)
Dimensions folded in ft (HxWxD)	9.5 x 9.8 x 7.0 (2.90x2.98x2.15m)	12.0 x 9.8 x 7.0 (3.65x2.98x2.15m)	12.0 x 9.8 x 7.0 (3.65x2.98x2.15m)
Net weight	3,638 lbs (1,650 kg)	6,173 lbs (2,800 kg)	7,055 lbs (3,200 kg)
Mounting category	CAT 2	CAT 3 / CAT 3N	
Ring spacing / line spacing	5.9 in (150 mm)		
Ring diameter	19.7 in (500 mm)		
Number of harrow rings	41 pcs.	62 pcs.	82 pcs.
Number & dimension of feeler wheels	2 pcs. (18.5x8.5-8)	6 pcs. (18.5x8.5-8)	
Ideal driving speed	3-6 mph (5-10 km/h)		
Min. tractor performance	59 kW / 80 HP	88 kW / 120 HP	110 kW / 150 HP
Number of required control units	2 double-acting	3 double-acting	
Folding	3-part, double folding	4-part, M-folding	

STANDARD SCOPE OF DELIVERY

- Complete machine with rotating harrow elements
- One spring element per tool for constant working pressure
- Spring force individually adjustable per arm
- Hydraulic adjustment of the working pressure
- Individual suspension of each harrow ring
- Angle adjustment of the rings in 5 positions from 0° - 30°
- 2 or 6 feeler wheels for precise ground tracking
- Hydraulic transport lock
- RW 600: double folding
- RW 900 / RW 1200: M-folding and integrated V-folding
- 2 conventional harrow tines in the centre of the machine for full-surface processing

ITEM NO.	ROTARY WEEDER	
07040-6-001001	RW 600	\$ 50,209.00
07011-6-001000	RW 900	\$ 87,923.00
07012-6-001000	RW 1200	\$ 110,055.00

ITEM NO.	ACCESSORIES	
07012-2-148	Warning signs + LED lighting	\$ 978.00
07012-2-157	Scraper bar for each harrow ring - on the right side of the machine (price per working tool)	\$ 34.00
07012-2-158	Scraper bar for each harrow ring - on the left side of the machine (price per working tool)	\$ 34.00
07040-2-073	Second pair of feeler wheels on the side frames for RW 600	\$ 2,088.00
07012-2-245	Single lift-up RW for a harrow ring	\$ 143.00
07040-2-150	Dispersion plate mounting for RW 600 incl. bracket for seeder	\$ 2,201.00
07040-2-137	Maintenance bridge for RW 600	\$ 2,216.00
07011-2-045	Distribution Head (12 outlets) incl. dispersion plate mounting for RW 900	\$ 2,801.00
07012-2-341	Distribution Head (24 outlets) incl. dispersion plate mounting for RW 1200	\$ 3,577.00

COMBINATION OPTIONS

RW 600: Can be used with Pneumatic Seeders PS 120-300: see pages 26–27 or SMART TWIN 120-300: or SMART TWIN 120–300: see pages 48-49 with electric fan, electric fan PLUS or hydraulic fan incl. dispersion plate mounting and platform kit.

RW 900 & RW 1200: Can be used with Pneumatic Seeders PS 500-800: see pages 28–30 or SMART TWIN 120-500: see pages 48-49 with hydraulic fan in combination with Distribution Head: see page 54 and Front Frame: see page 79.



BASICS OF CHOPPING TECHNOLOGY

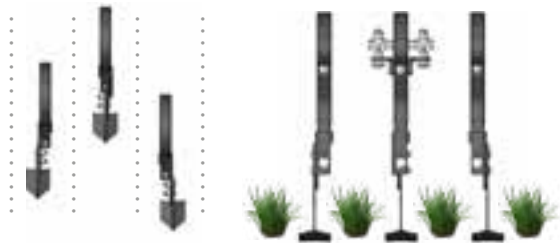
COMBINATIONS OF WHEEL TRACK SETTINGS AND ROW SPACING

ROW SPACING	SYMMETRICAL		ASYMMETRICAL	
	WHEEL TRACK SETTINGS	NUMBER OF ROWS	WHEEL TRACK SETTINGS	NUMBER OF ROWS
9.8 in (25 cm)	4.9 ft (1.5 m) and 6.6 ft (2 m)	12, 18, 24	5.7 ft (1.75 m) and 7.4 ft (2.25 m)	12, 18, 24
14.8 in (37.5 cm)	4.9 ft (1.5 m) and 7.4 ft (2.25 m)	8, 12, 16	-	-
17.7 in (45 cm)	5.9 ft (1.8 m)	6, 8, 12	7.4 ft (2.25 m)	8, 12
19.7 in (50 cm)	6.6 ft (2 m)	6, 8, 12	4.9 ft (1.5 m)	6, 8, 12
27.6 in (70 cm)	4.9 ft (1.5 m)	4, 6, 8	-	-
27.6 in (70 cm)	6.9 ft (2.1 m)	5, 7, 9	6.9 ft (2.1 m)	4, 6, 8
29.5 in (75 cm)	4.9 ft (1.5 m)	4, 6, 8	4.9 ft (1.5 m)	5, 7, 9
29.5 in (75 cm)	7.4 ft (2.25 m)	5, 7, 9	7.4 ft (2.25 m)	4, 6, 8
39.4 in (100 cm)	6.6 ft (2 m)	4 or 6	6.6 ft (2 m)	3, 5, 7
59 in (150 cm)	4.9 ft (1.5 m) – 6.6 ft (2 m)	3	-	-

HOEING SWEEP SETS

CEREAL HOEING SWEEP SET 5.9 IN (15 CM)

- 3 central sweeps of 31.5 in (80 mm) each per parallelogram



CEREAL HOEING SWEEP SET 9.8 IN (25 CM)

- 4 central sweeps of 49.2 in (125 mm) each per parallelogram



HOEING SWEEP SET 15.7 - 21.7 IN (40-55 CM)

- Hoe set, 3 sweeps
- Hoe set, 1 sweep for sugar beet



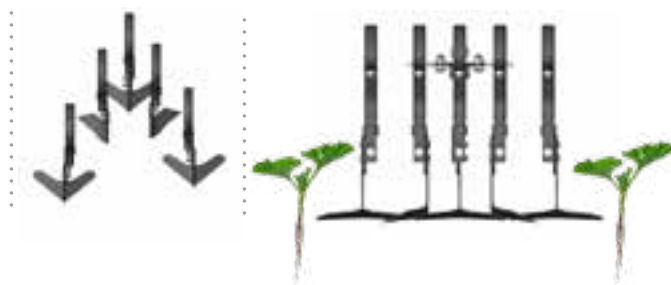
HOEING SWEEP SET 23.6 - 31.5 IN (60-80 CM)

- Hoe set, 5 sweeps for maize, sunflower, ...



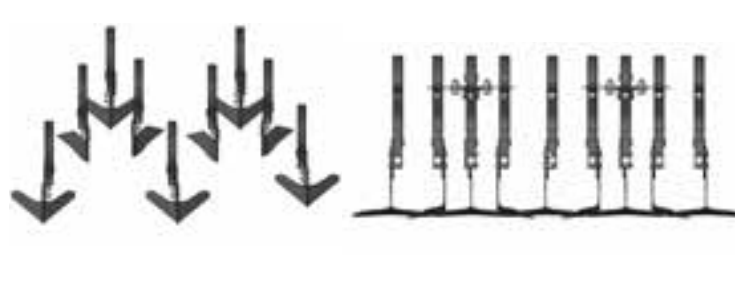
HOEING SWEEP SET 35.4 - 39.4 IN (90-100 CM)

- for pumpkin



HOEING SWEEP SET 53.2 - 59 IN (135-150 CM)

- for pumpkin



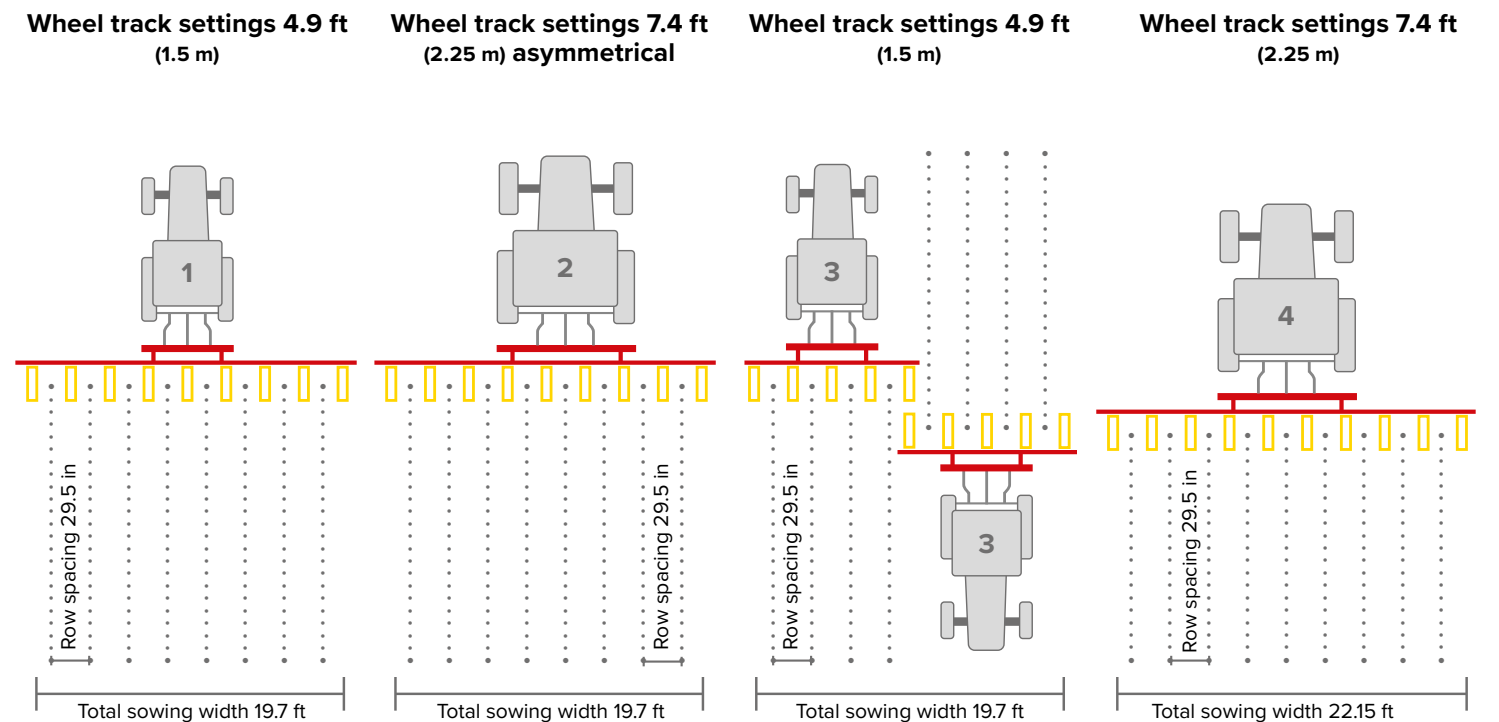
STANDARD SWEEP ASSEMBLY PER PARALLELOGRAM

MAX. POSSIBLE ROW WIDTH (INCHES)	PARALLELOGRAM	FRONT	CENTRE	BACK
15.7 - 21.7 in (40-55cm)	whole element	2x LS 4.9 in (125 mm)	-	1x CS 9.65 in (245 mm)
15.7 - 21.7 in (40-55cm)	half element	1x LS 4.9 in (125 mm)	-	1x CS 9.65 in (245 mm)
23.6 - 31.5 in (60-80cm)	whole element	2x LS 5,9 in (150 mm)	2x LS 5,9 in (150 mm)	1x CS 9.65 in (245 mm)
23.6 - 31.5 in (60-80cm)	half element	1x LS 5,9 in (150 mm)	1x LS 5,9 in (150 mm)	1x CS 9.65 in (245 mm)

Explanation of terms: CS = central sweep, LS = L-sweeps

WHEEL TRACK SETTINGS

The graphics represent common applications:



ROW SPACING OF 29.5 IN (75 CM) AND SOWING WIDTHS OF 19.7 FT (6 M) OR 22.15 FT (6.75 M)

The graphics above show how the different wheel track settings and working widths can be combined with a row spacing of 29.5 in (75 cm). Depending on the wheel track settings of the tractor, the Precision Hoe is set up symmetrically (examples 1 and 4) or asymmetrically (example 2). Asymmetrical means that the Precision Hoe works laterally offset to the tractor. For large sowing widths, it is also possible to use a Precision Hoe with half the sowing width (example 3).

PRECISION HOE HM

PRECISION HOE WITH BASIC MECHANICAL EQUIPMENT

The Precision Hoe HM is permanently coupled to the rear of the tractor and is supplied without a steering frame. The row guidance can be carried out via GPS/RTK on the towing vehicle. The Precision Hoe HM can be optionally extended with a steering frame with three-point linkage.

ADVANTAGES

- Water-saving weed control in and between rows thanks to innovative hoeing sweeps
- Excellent intake due to hoeing sweeps under the parallelogram
- Play-free parallelograms thanks to ball bearings
- Very light and compact thanks to high quality materials (Strenx 700 steel and Hardox)
- Compact folding with 8 ft (2.5 m) outer width
- Additional spring pressure on the parallelograms possible
- Centre of gravity close to the tractor
- Innovative spinner hoes with many adjustment options

TECHNICAL DATA

Maximum working width	10 ft (3 m)	14.8 ft (4.5 m)	20 ft (6 m)
Frame width	10.3 ft (3.13 m)	15.3 ft (4.65 m)	20.5 ft (6.25 m)
Maximum transport dimensions in ft (HxWxD) ¹	6 x 11 x 6 (2.00 x 3.25 x 2.00m)	9 x 8 x 6 (2.70 x 2.50 x 2.00m)	11 x 8 x 6 (3.30 x 2.50 x 2.00m)
Mounting category	CAT 2		
Stabilizer wheels (2 pieces)	12.6 x 3.9 in (320 x 100 mm)	15.7 x 5.9 in (400 x 150 mm)	
Track settings of stabilizer wheels	4.3 - 7.7 ft (1.32 - 2.35 m) infinitely adjustable		
Min. tractor performance	36 kW / 50 HP	52 kW / 70 HP	66 kW / 90 HP
Number of required control units	-	2 double-acting (folding)	
Folding	rigid	3-part	

STANDARD SCOPE OF DELIVERY

- Sturdy device frame with markings for the most common row widths
- Parallelograms mounted on ball bearings
- Strenx 700 steel parallelogram
- Innovative hoeing sweeps for low soil movement
- Parallelograms with springs to increase pressure
- 1 depth guide wheel per parallelogram
- Half-side folding
- Manual excavation of the outer parallelograms
- Sweep assembly varies depending on the type

ITEM NO.	NAME	ROWS	ROW SPACING (INCH)	PARALLELOGRAMS	SWEEPS PER PARALLELOGRAM	WEIGHT	PRICE
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Precision Hoe HM for cereals, peas, field bean | 5.9 in (15 cm) row spacing¹

12009-1-003	HM 3020	20	5.9 (15cm)	7	3 CS (3.15 in (80 mm))	1,587 lbs (720 kg)	\$ 20,867.00
12003-1-006	HM 4026	26	6.1 (15.4cm)	9	3 CS (3.15 in (80 mm))	2,249 lbs (1,020 kg)	\$ 29,905.00
12004-1-003	HM 6039	39	6.1 (15.4cm)	13	3 CS (3.15 in (80 mm))	2,932 lbs (1,330 kg)	\$ 38,528.00

Precision Hoe HM for cereals, peas, field bean | 9.8 in (25 cm) row spacing¹

12008-1-005	HM 3012	12	9.8 (25cm)	6	4 LS (4,9 in (125 mm))	1,455 lbs (660 kg)	\$ 19,957.00
12003-1-008	HM 4016	16	9.8 (25cm)	8	4 LS (4,9 in (125 mm))	2,116 lbs (960 kg)	\$ 29,377.00
12004-1-005	HM 6024	24	9.8 (25cm)	12	4 LS (4,9 in (125 mm))	2,800 lbs (1,270 kg)	\$ 38,776.00

Precision Hoe HM for root, soy bean, field bean, cereals | 15.7 - 19.7 in (40-50 cm) row spacing

12008-6-019	HM 3006	6	15.7-19.7 (40-50cm)	7	3 (2xLS+1xCS)	1,500 lbs (680 kg)	\$ 20,573.00
12003-6-009	HM 4508	8	15.7-19.7 (40-50cm)	9	3 (2xLS+1xCS)	2,204 lbs (1,000 kg)	\$ 29,929.00
12004-6-011	HM 6012	12	15.7-19.7 (40-50cm)	13	3 (2xLS+1xCS)	2,756 lbs (1,250 kg)	\$ 38,236.00

Precision Hoe HM for maize, sunflower, ... | 23.6 - 25 in (60-75 cm) row spacing

12008-6-018	HM 3004	4	23.6-29.5 (60-75cm)	5	5 (4xLS+1xCS)	1,278 lbs (580 kg)	\$ 16,074.00
12003-6-010	HM 4506	6	23.6-29.5 (60-75cm)	7	5 (4xLS+1xCS)	1,962 lbs (890 kg)	\$ 27,334.00
12004-6-012	HM 6008	8	23.6-29.5 (60-75cm)	9	5 (4xLS+1xCS)	2,337 lbs (1,060 kg)	\$ 31,987.00

Precision Hoe HM for pumpkin | 34.4 - 59.1 in (90-150 cm) row spacing

12003-6-011	HM 4503	3	53.2-59.1 (135-150cm)	6	5 (2x LS+3xCS)	1,918 lbs (870 kg)	\$ 26,349.00
12003-1-012	HM 4504	4	35.4-39.4 (90-100cm)	5	5 (2x LS+3xCS)	1,720 lbs (780 kg)	\$ 23,190.00
12004-1-009	HM 6006	6	35.4-39.4 (90-100cm)	7	5 (2x LS+3xCS)	2,072 lbs (940 kg)	\$ 27,704.00

Explanation of terms: CS = central sweep, LS = L-sweep

ITEM NO.	RECOMMENDED ADDITIONAL EQUIPMENT	PRICE
12000-2-088	Parallelogram for trailed working tool ² (price per parallelogram)	\$ 783.00
12000-2-093	Spinner hoes from 15.7 in (40 cm) row width (price per row)	\$ 705.00
12000-2-082	Quick adjustment of the angled sweeps 15.7 - 19.7 in (40-55 cm) (price per row)	\$ 391.00
12000-2-083	Quick adjustment of the angled sweeps 23.6 - 31.5 in (60-80 cm) (price per row)	\$ 391.00
12000-2-084	Warning signs with LED lighting	\$ 705.00
Configuration on request	Parking supports instead of stabilizer wheels - when used with precision steering frame	\$ - 609.00

▲ The Precision Hoe HM can be equipped with an APV precision steering frame incl. three-point linkage + lower link hook!

ITEM NO.	PRECISION STEERING FRAME FOR EXISTING PRECISION HOE	PRICE
00700-6-294	Precision steering frame (linear linkage frame) with Claas CultiCam Professional control incl. three-point linkage + lower link hook (CAT 2) incl. stabilizer wheels 15,7 - 5.9 in (400x150 mm)	\$ 56,717.00

¹ No trailed working tool possible

² Further trailed working tools e.g. finger weeder see pages 116-117

PRECISION HOE HM FRONT

FOR FRONT MOUNTING

The Precision Hoe HM front is driven in the front of the towing vehicle. The rows are guided manually via the driver's view of the plant rows.

ADVANTAGES

- Water-saving weed control in and between rows thanks to innovative hoeing sweeps
- Very good intake due to hoeing sweeps under the parallelogram
- Play-free parallelograms thanks to ball bearings
- Very light and compact thanks to high quality materials (Strenx 700 steel and Hardox)
- Compact folding with 8 ft (2.5 m) outer width
- Additional spring pressure on the parallelograms possible
- Centre of gravity close to the tractor
- Innovative spinner hoes with many adjustment options

TECHNICAL DATA

Maximum working width	10 ft (3 m)	14.8 ft (4.5 m)	20 ft (6 m)
Frame width	10.3 ft (3.13 m)	15.3 ft (4.65 m)	20.5 ft (6.25 m)
Maximum transport dimensions in ft (HxWxD) ¹	6 x 11 x 6 (2.00 x 3.25 x 2.00m)	9 x 8 x 6 (2.70 x 2.50 x 2.00m)	11 x 8 x 6 (3.30 x 2.50 x 2.00m)
Mounting category	CAT 2		
Stabilizer wheels (2 pieces)	18x8.5-8 (pneumatic tyres)		
Track settings of stabilizer wheels	4.3 - 7.7 ft (1.32 - 2.35 m) infinitely adjustable		
Min. tractor performance	36 kW / 50 HP	52 kW / 70 HP	66 kW / 90 HP
Number of required control units	-	2 double-acting (folding)	
Folding	rigid	3-part	

STANDARD SCOPE OF DELIVERY

- Sturdy device frame with markings for the most common row widths
- Parallelograms mounted on ball bearings
- Strenx 700 steel parallelogram
- Innovative hoeing sweeps for low soil movement
- Parallelograms with springs to increase pressure
- 1 depth guide wheel per parallelogram
- Half-side folding
- Manual excavation of the outer parallelograms
- Sweep assembly varies depending on the type

ITEM NO.	NAME	ROWS	ROW SPACING (INCH)	PARALLELOGRAMS	SWEEPS PER PARALLELOGRAM	WEIGHT	PRICE
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Precision Hoe HM for cereals, peas, field bean | 5.9 in (15 cm) row spacing¹

12008-1-004	HM 3020 front	20	5.9 (15cm)	7	3 CS (3.15 in (80 mm))	1,587 lbs (720 kg)	\$ 20,867.00
12003-1-007	HM 4530 front	26	6.1 (15.4cm)	9	3 CS (3.15 in (80 mm))	2,249 lbs (1,020 kg)	\$ 29,905.00
12004-1-004	HM 6040 front	39	6.1 (15.4cm)	13	3 CS (3.15 in (80 mm))	2,932 lbs (1,330 kg)	\$ 38,528.00

Precision Hoe HM for cereals, peas, field bean | 9.8 in (25 cm) row spacing¹

12008-1-006	HM 3012 front	12	9.8 (25cm)	6	4 LS (4,9 in (125 mm))	1,455 lbs (660 kg)	\$ 19,957.00
12003-1-009	HM 4016 front	18	9.8 (25cm)	8	4 LS (4,9 in (125 mm))	2,116 lbs (960 kg)	\$ 29,377.00
12004-1-006	HM 6024 front	24	9.8 (25cm)	12	4 LS (4,9 in (125 mm))	2,800 lbs (1,270 kg)	\$ 38,776.00

Precision Hoe HM for root, soy bean, field bean, cereals | 15.7 - 19.7 in (40-50 cm) row spacing

12008-1-007	HM 3006 front	6	15.7-19.7 (40-50cm)	7	3 (2xLS+1xCS)	1,500 lbs (680 kg)	\$ 20,573.00
12003-1-010	HM 4508 front	8	15.7-19.7 (40-50cm)	9	3 (2xLS+1xCS)	2,204 lbs (1,000 kg)	\$ 29,929.00
12004-1-007	HM 6012 front	12	15.7-19.7 (40-50cm)	13	3 (2xLS+1xCS)	2,756 lbs (1,250 kg)	\$ 38,236.00

Precision Hoe HM for maize, sunflower, ... | 23.6 - 2.5 in (60-75 cm) row spacing

12008-1-008	HM 3004 front	4	23.6-29.5 (60-75cm)	5	5 (4xLS+1xCS)	1,278 lbs (580 kg)	\$ 17,472.00
12003-1-011	HM 4506 front	6	23.6-29.5 (60-75cm)	7	5 (4xLS+1xCS)	1,962 lbs (890 kg)	\$ 27,334.00
12004-1-008	HM 6008 front	8	23.6-29.5 (60-75cm)	9	5 (4xLS+1xCS)	2,337 lbs (1,060 kg)	\$ 27,334.00

Precision Hoe HM for pumpkin | 34.4 - 59.1 in (90-150 cm) row spacing

12003-1-014	HM 4503 front	3	53.2-59.1 (135-150cm)	6	5 (2x LS+3xCS)	1,918 lbs (870 kg)	\$ 26,876.00
12003-1-013	HM 4504 front	4	35.4-39.4 (90-100cm)	5	5 (2x LS+3xCS)	1,720 lbs (780 kg)	\$ 23,190.00
12004-1-010	HM 6006 front	6	35.4-39.4 (90-100cm)	7	5 (2x LS+3xCS)	2,072 lbs (940 kg)	\$ 27,161.00

Explanation of terms: CS = central sweep, LS = L-sweep

ITEM NO.	RECOMMENDED ADDITIONAL EQUIPMENT	PRICE
12000-2-117	Mounting bracket for trailed working tool (HM front) ³ (price per parallelogram)	\$ 852.00
12000-2-093	Spinner hoes from 40 cm row width (price per row)	\$ 705.00
12000-2-082	Quick adjustment of the angled sweeps 15.7 - 19.7 in (40-55 cm) (price per row)	\$ 391.00
12000-2-083	Quick adjustment of the angled sweeps 23.6 - 31.5 in (60-80 cm) (price per row)	\$ 391.00

PRECISION HOE HS STANDARD

WITH INTEGRATED PRECISION STEERING FRAME AND MANUAL CONTROL INCL. SEAT ON THE PRECISION HOE

The Precision Hoe HS contains a precision steering frame (linear linkage frame) that is integrated into the Precision Hoe. The steering frame is steered manually by one person at the rear of the machine using the joystick steering. As an option, the row guidance can be equipped with a row feeler (recommended for e.g. maize, sunflower in larger growth stages).



ADVANTAGES

- Water-saving weed control in and between rows thanks to innovative hoeing sweeps
- Very good intake due to hoeing sweeps under the parallelogram
- Play-free parallelograms thanks to ball bearings
- Very light and compact thanks to high quality materials (Strenx 700 steel and Hardox)
- Compact folding with 8 ft (2.5 m) outer width
- Additional spring pressure on the parallelograms possible
- Centre of gravity close to the tractor
- Innovative spinner hoes with many adjustment options

TECHNICAL DATA

Maximum working width	10 ft (3 m)	14.8 ft (4.5 m)	20 ft (6 m)
Frame width	10.3 ft (3.13 m)	15.3 ft (4.65 m)	20.5 ft (6.25 m)
Maximum transport dimensions in ft (HxWxD) ¹	6 x 11 x 7 (2.00 x 3.25 x 2.25m)	9 x 8 x 7 (2.70 x 2.50 x 2.25m)	11 x 8 x 7 (3.30 x 2.50 x 2.25m)
Mounting category	CAT 2		
Stabilizer wheels (2 pieces)	12.6 x 3.9 in (320 x 100 mm)	15.7 x 5.9 in (400 x 150 mm)	
Track settings of stabilizer wheels	4.3 - 7.7 ft (1.32 - 2.35 m) infinitely adjustable		
Min. tractor performance	36 kW / 50 HP	52 kW / 70 HP	66 kW / 90 HP
Number of required control units	1 double acting with flow control	2 double-acting and 1 double acting with flow control	
Folding	rigid	3-part	
Steering frame side shift	15.7 in (40 cm)		

STANDARD SCOPE OF DELIVERY

- Sturdy device frame with markings for the most common row widths
- Parallelograms mounted on ball bearings
- Strenx 700 steel parallelogram
- Innovative hoeing sweeps for low soil movement
- Parallelogram for trailed working tool (except grain variants)
- Parallelograms with springs to increase pressure
- Linear feed frame with CLAAS CultiCam Professional camera control
- 1 depth guide wheel per parallelogram
- Half-side folding
- Manual raising of the outer parallelograms
- Sweep assembly varies depending on the type

¹ Dimensions incl. spinner hoes and symmetrical arrangement

ITEM NO.	NAME	ROWS	ROW SPACING (INCH)	PARALLELOGRAMS	SWEEPS PER PARALLELOGRAM	WEIGHT	PRICE
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Precision Hoe HS Standard for cereals, peas, field bean | 5.9 in (15 cm) row spacing¹

12009-1-005	HS 3020	20	5.9 (15cm)	7	3 CS (3.15 in (80 mm))	1,808 lbs (820 kg)	\$ 31,651.00
12005-1-007	HS 4026	26	6.1 (15.4cm)	9	3 CS (3.15 in (80 mm))	2,734 lbs (1,240 kg)	\$ 43,773.00
12006-1-014	HS 6039	39	6.1 (15.4cm)	13	3 CS (3.15 in (80 mm))	3,395 lbs (1,540 kg)	\$ 52,393.00

Precision Hoe HS Standard for cereals, peas, field bean | 9.8 in (25 cm) row spacing¹

12009-1-007	HS 3012	12	9.8 (25cm)	6	4 LS (4,9 in (125 mm))	1,675 lbs (760 kg)	\$ 30,744.00
12005-1-009	HS 4016	16	9.8 (25cm)	8	4 LS (4,9 in (125 mm))	2,580 lbs (1,170 kg)	\$ 43,245.00
12006-1-016	HS 6024	24	9.8 (25cm)	12	4 LS (4,9 in (125 mm))	3,241 lbs (1,470 kg)	\$ 52,641.00

Precision Hoe HS Standard for root, soy bean, field bean, cereals | 15.7 - 19.7 in (40-50 cm) row spacing

12009-6-018	HS 3006	6	15.7-19.7 (40-50cm)	7	3 (2xLS+1xCS)	1,720 lbs (780 kg)	\$ 31,360.00
12005-6-010	HS 4508	8	15.7-19.7 (40-50cm)	9	3 (2xLS+1xCS)	2,668 lbs (1,210 kg)	\$ 43,606.00
12006-6-021	HS 6012	12	15.7-19.7 (40-50cm)	13	3 (2xLS+1xCS)	3,219 lbs (1,460 kg)	\$ 51,912.00

Precision Hoe HS Standard for maize, sunflower, ... | 23.6 - 25 in (60-75 cm) row spacing

12009-6-019	HS 3004	4	23.6-29.5 (60-75cm)	5	5 (4xLS+1xCS)	1,500 lbs (680 kg)	\$ 28,259.00
12005-6-011	HS 4506	6	23.6-29.5 (60-75cm)	7	5 (4xLS+1xCS)	2,447 lbs (1,110 kg)	\$ 41,011.00
12006-6-022	HS 6008	8	23.6-29.5 (60-75cm)	9	5 (4xLS+1xCS)	2,800 lbs (1,270 kg)	\$ 45,664.00

Precision Hoe HS Standard for pumpkin | 34.4 - 59.1 in (90-150 cm) row spacing

12005-6-012	HS 4503	3	53.2-59.1 (135-150cm)	6	5 (2x LS+3xCS)	2,360 lbs (1,070 kg)	\$ 38,531.00
12005-1-011	HS 4504	4	35.4-39.4 (90-100cm)	5	5 (2x LS+3xCS)	2,227 lbs (1,010 kg)	\$ 37,058.00
12006-1-018	HS 6006	6	35.4-39.4 (90-100cm)	7	5 (2x LS+3xCS)	2,600 lbs (1,180 kg)	\$ 41,709.00

Explanation of terms: CS = central sweep, LS = L-sweep

ITEM NO.	RECOMMENDED ADDITIONAL EQUIPMENT	PRICE
12000-2-088	Parallelogram for trailed working tool ² (price per parallelogram)	\$ 783.00
12000-2-093	Spinner hoes from 40 cm row width (price per row)	\$ 705.00
12000-2-082	Quick adjustment of the angled sweeps 15.7 - 19.7 in (40-55 cm) (price per row)	\$ 391.00
12000-2-083	Quick adjustment of the angled sweeps 23.6 - 31.5 in (60-80 cm) (price per row)	\$ 391.00
12000-2-084	Warning signs with LED lighting	\$ 705.00

ITEM NO.	EXTENDED ADDITIONAL EQUIPMENT	PRICE
12000-2-086	Row feeler - for mechanical row guidance for plants from approx. 11,8 in (30 cm) in height	\$ 2,531.00
12000-2-087	Furrow wheel steering instead of manual steering (without seat in the rear)	\$ 2,531.00

¹ No trailed working tool possible

² Further trailed working tools e.g. finger weeder see pages 116-117

PRECISION HOE HS PROFESSIONAL

WITH INTEGRATED PRECISION STEERING FRAME AND CLAAS CULTICAM PROFESSIONAL

The Precision Hoe HS consists of a precision steering frame (linear linkage frame) that is integrated into the hoeing unit. The CLAAS CultiCam Professional camera is used for row guidance.



ADVANTAGES

- CLAAS CultiCam Professional camera control for optimum row guidance
- Water-conserving weed control in and between the rows thanks to innovative hoeing sweeps
- Very good intake due to hoeing sweeps under the parallelogram
- Very light and compact thanks to high-quality materials (Strenx 700 steel and Hardox)
- Compact folding with 8-10 ft (2.5-3 m) outer width (depending on configuration)
- Innovative spinner hoes with many adjustment options
- Section Control (optional)

TECHNICAL DATA

	10 ft (3 m)	14.8 ft (4.5 m)	20 ft (6 m)
Maximum working width	10 ft (3 m)	14.8 ft (4.5 m)	20 ft (6 m)
Frame width	10.3 ft (3.13 m)	15.3 ft (4.65 m)	20.5 ft (6.25 m)
Maximum transport dimensions in ft (HxWxD) ¹	6 x 11 x 10 (2.00 x 3.25 x 3.00m)	9 x 8 x 10 (2.70 x 2.50 x 3.00m)	11 x 8 x 10 (3.30 x 2.50 x 3.00m)
Mounting category	CAT 2		
Stabilizer wheels (2 pieces)	12.6 x 3.9 in (320 x 100 mm)	15.7 x 5.9 in (400 x 150 mm)	
Track settings of stabilizer wheels	4.3 - 7.7 ft (1.32 - 2.35 m) infinitely adjustable		
Min. tractor performance	36 kW / 50 HP	52 kW / 70 HP	66 kW / 90 HP
Number of required control units	-	2 double-acting (folding)	
Folding	rigid	3-part	
Steering frame side shift	15.7 in (40 cm)		

STANDARD SCOPE OF DELIVERY

- Sturdy device frame with markings for the most common row widths
- Parallelograms mounted on ball bearings
- Strenx 700 steel parallelogram
- Innovative hoeing sweeps for low soil movement
- Parallelograms with springs to increase pressure
- Linear sliding frame with joystick steering and integrated seat at the rear
- 1 depth guide wheel per parallelogram
- Half-side folding
- Manual excavation of the outer parallelograms
- Sweep assembly varies depending on the type

¹ Dimensions incl. spinner hoes and symmetrical arrangement

ITEM NO.	NAME	ROWS	ROW SPACING (INCH)	PARALLELOGRAMS	SWEEPS PER PARALLELOGRAM	WEIGHT	PRICE
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Precision Hoe HS Professional for cereals, peas, field bean | 5.9 in (15 cm) row spacing¹

12009-1-004	HS 3020	20	5.9 (15cm)	7	3 CS (3.15 in (80 mm))	1,808 lbs (820 kg)	\$ 66,989.00
12005-1-006	HS 4026	26	6.1 (15.4cm)	9	3 CS (3.15 in (80 mm))	2,734 lbs (1,240 kg)	\$ 79,110.00
12006-1-013	HS 6039	39	6.1 (15.4cm)	13	3 CS (3.15 in (80 mm))	3,395 lbs (1,540 kg)	\$ 87,731.00

Precision Hoe HS Professional for cereals, peas, field bean | 9.8 in (25 cm) row spacing¹

12009-1-006	HS 3012	12	9.8 (25cm)	6	4 LS (4,9 in (125 mm))	1,675 lbs (760 kg)	\$ 66,081.00
12005-1-008	HS 4016	16	9.8 (25cm)	8	4 LS (4,9 in (125 mm))	2,580 lbs (1,170 kg)	\$ 78,582.00
12006-1-015	HS 6024	24	9.8 (25cm)	12	4 LS (4,9 in (125 mm))	3,241 lbs (1,470 kg)	\$ 87,979.00

Precision Hoe HS Professional for root, soy bean, field bean, cereals | 15.7 - 19.7 in (40-50 cm) row spacing

12009-6-004	HS 3006	6	15.7-19.7 (40-50cm)	7	3 (2xLS+1xCS)	1,720 lbs (780 kg)	\$ 76,221.00
12005-6-013	HS 4508	8	15.7-19.7 (40-50cm)	9	3 (2xLS+1xCS)	2,668 lbs (1,210 kg)	\$ 91,385.00
12006-6-023	HS 6012	12	15.7-19.7 (40-50cm)	13	3 (2xLS+1xCS)	3,219 lbs (1,460 kg)	\$ 105,529.00

Precision Hoe HS Professional for maize, sunflower, ... | 23.6 - 2.5 in (60-75 cm) row spacing

12009-6-003	HS 3004	4	23.6-29.5 (60-75cm)	5	5 (4xLS+1xCS)	1,500 lbs (680 kg)	\$ 70,201.00
12005-6-006	HS 4506	6	23.6-29.5 (60-75cm)	7	5 (4xLS+1xCS)	2,447 lbs (1,110 kg)	\$ 85,872.00
12006-6-024	HS 6008	8	23.6-29.5 (60-75cm)	9	5 (4xLS+1xCS)	2,800 lbs (1,270 kg)	\$ 93,443.00

Precision Hoe HS Professional for pumpkin | 34.4 - 59.1 in (90-150 cm) row spacing

12005-6-014	HS 4503	3	53.2-59.1 (135-150cm)	6	5 (2x LS+3xCS)	2,360 lbs (1,070 kg)	\$ 82,236.00
12005-1-010	HS 4504	4	35.4-39.4 (90-100cm)	5	5 (2x LS+3xCS)	2,227 lbs (1,010 kg)	\$ 79,000.00
12006-1-017	HS 6006	6	35.4-39.4 (90-100cm)	7	5 (2x LS+3xCS)	2,600 lbs (1,180 kg)	\$ 86,570.00

Explanation of terms: CS = central sweep, LS = L-sweep

ITEM NO.	RECOMMENDED ADDITIONAL EQUIPMENT		
12000-2-082	Quick adjustment of the angled sweeps 15.7 - 19.7 in (40-55 cm) (price per row)	\$	391.00
12000-2-083	Quick adjustment of the angled sweeps 23.6 - 31.5 in (60-80 cm) (price per row)	\$	391.00
12000-2-084	Warning signs with LED lighting	\$	705.00

ITEM NO.	EXTENDED ADDITIONAL EQUIPMENT		
12000-2-085	Row feeler - for mechanical row guidance for plants from approx. 11,8 in (30 cm) in height	\$	2,328.00
12000-2-089	CultiCam LED-work lighting for camera control for night operation	\$	3,988.00
12000-2-090	Mounting kit for camera on side frame	\$	692.00
Configuration on request	Steering frame with ISOBUS control (instead of the CultiCam monitor) - no extra charge	\$	0.00

¹ No trailed working tool possible

² Further trailed working tools e.g. finger weeder see pages 116-117



Precision steering frame (linear sliding frame)



Seat and joystick steering (with HS standard version)



Weeder tines



Work lighting for camera



Precision Hoe for front mounting



CLAAS Culitcam Professional camera



Spinner hoe wheel



Adjustment spindle

ACCESSORIES PRECISION HOE

WARNING SIGNS + LED LIGHTING AT THE REAR

for safe transport on the road



ITEM NO.	WARNING SIGNS + LED LIGHTING		
12000-2-084	Warning sign + LED lighting at the rear	\$	705.00

SWEEP ACCESSORIES

QUICK ADJUSTMENT OF ANGLED SWEEPS

for fast, convenient adjustment of the front sweeps



ITEM NO.	ADJUSTMENT OF ANGLED SWEEPS		
12000-2-082	Quick adjustment of the angled sweeps 40–55 cm – price per row	\$	391.00
12000-2-083	Quick adjustment of the angled sweeps 60–80 cm – price per row	\$	391.00

HOEING SWEEP SETS WITH CARBIDE COATING

for longer service life of the sweeps



ITEM NO.	HOEING SWEEP SETS WITH CARBIDE COATING		
12000-2-091	Hoe set, 3 sweeps 40–55 cm with carbide coating – extra charge per parallelogram	\$	722.00
12000-2-092	Hoe set, 5 sweeps 60–80 cm with carbide coating – extra charge per parallelogram	\$	1,151.00

SWEEP TIPS

for safe intake of the appliance - only mount when required!



ITEM NO.	SWEEP TIPS		
12000-2-098	Sweep tips for angled sweep – price per unit	\$	17.00
12000-2-099	Sweep tips for central sweep – price per unit	\$	30.00

TRAILED WORKING TOOLS

SPINNER HOES

Optimum solution for cleaning in the row. No leading operation and easy adjustment.



ITEM NO.	SPINNER HOES		
12000-2-093	Spinner hoes from 40 cm row width – price per row	\$	705.00
12000-2-094	Compact spinner hoes for 30–39 cm row spacing – price per row	\$	692.00

FINGER WEEDERS



ITEM NO.	FINGER WEEDERS		
12000-2-095	Finger weeders instead of spinner hoes – extra charge per row	\$	380.00

INTER ROW TINED WEEDER

Combing out and superficial removal of weeds in the rear of the working tool parallelogram.



ITEM NO.	INTER ROW TINED WEEDER		
12000-2-096	Inter row tined weeder ^{2,3} – price per parallelogram	\$	761.00

ROTARY HARROW ELEMENT

for effective harrowing in the row. Recommended for robust crops such as soy beans.



ITEM NO.	ROTARY HARROW ELEMENT		
12000-2-097	RW Rotary Harrow element instead of spinner hoes ³ (price per row) – no extra charge for HS professional (instead of spinner hoes)	\$	705.00

ADDITIONAL EQUIPMENT TRAILED WORKING TOOLS

STONE PROTECTION DISC

Improved effectiveness on particularly stony soils



ITEM NO.	STONE PROTECTION DISC		
12000-2-100	Stone protection disc for spinner hoes from 40 cm row spacing – price per unit	\$	49.00
12000-2-101	Stone protection disc for compact spinner hoes 30–39 cm row spacing – price per unit	\$	49.00

SPECIAL SWEEPS FOR SUGAR BEETS

1 central sweep with 350 mm between the rows also works under the sugar beets leaves



ITEM NO.	SWEEPS FOR SUGAR BEETS		
12000-2-102	Sweep for sugar beets (1 unit 350 mm central sweep) (supplied loose) - extra charge per parallelogram	\$	110.00

¹ All prices when ordered in combination with HM/HS!

² Not for HM front

³ Parallelograms for towed implements are required

LEVEL WHEEL

The level wheel with pneumatic tyres is recommended for very soft ground conditions.
Dimension: 18x8.5-8



ITEM NO.	LEVEL WHEEL		
12000-2-113	Level wheel with pneumatic tyres instead of stabilizer wheels – no extra charge	\$	0.00

LEADING TOOLS

RESIDUE DISCS

Recommended if there is a lot of organic residue on the soil surface. These are mounted directly in front of the angled sweeps and cut the organic material on the surface in front of the sweeps.

ITEM NO.	RESIDUE DISCS		
12000-2-103	Residue discs ¹ in the first row of the angled sweeps – extra charge per row	\$	633.00

GOOSEFOOT SWEEPS IN COMBINATION WITH CROP PROTECTION DISCS

Goosefoot sweeps work more soil towards the crop row. For this reason, they require plant protection discs next to the crop row so that the crop is not buried.



ITEM NO.	GOOSEFOOT SWEEPS INCL. PLANT PROTECTION DISCS		
12000-2-104	Goosefoot sweeps in combination with crop protection discs – price per row		Price on request

COMBINATIONS WITH AN APV SEEDER

MOUNTING OF DISTRIBUTION HEADS INCL. HOISING AND DISPERSION PLATES ON THE PRECISION HOE

Spreading undersown crops or fertilizer in a single pass.
In combination with Pneumatic Seeders with hydraulic fan (see pages 26-54) and FrontFrame (see page 79)



⚠ The two outer dispersion plates are divided from 1 to 2 outlets by a Y-divider!

ITEM NO.	DISTRIBUTION HEAD FOR	OUTLETS DISTRIBUTION HEAD	ROW SPACING	NUMBER OF DISPERSION PLATES		
12005-2-004	HS 4508	8	15.7 - 21.7 in (40–55 cm)	9	\$	3,205.00
12006-2-002	HS 6012	12	15.7 - 21.7 in (40–55 cm)	13	\$	3,813.00
12005-2-003	HS 4506	6	23.6 - 31.5 in (60–80 cm)	7	\$	3,003.00
12006-2-003	HS 6008	8	23.6 - 31.5 in (60–80 cm)	9	\$	3,205.00

BRACKET FOR PNEUMATIC SEEDERS ON THE PRECISION HOE

possible for PS 120-300, PS 120-300 D and SMART TWIN 120-300

ITEM NO.	MOUNTING OF THE PNEUMATIC SEEDER		
12000-2-114	Mounting kit for PS ¹		Price on request

ITEM NO.	MOUNTING OF DISPERSION PLATES		
12000-2-108	Dispersion plate mounting 4-row incl. hose	\$	607.00
12000-2-107	Dispersion plate mounting 6-row incl. hose	\$	860.00
12000-2-106	Dispersion plate mounting 8-row incl. hose	\$	1,054.00
12000-2-105	Dispersion plate mounting 12-row incl. hose	\$	1,662.00

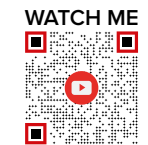
SECTION CONTROL FOR HM AND HS

SECTION CONTROL

GPS-operated lift-up at the end of the row

⚠ Only when ordering ex works!

⚠ ISOBUS equipment, steering system and section control on the access vehicle are a prerequisite!



ITEM NO.	SECTION CONTROL		
12000-2-112	Section Control 4 rows – extra charge for simultaneous order	\$	23,753.00
12000-2-111	Section Control 6 rows – extra charge for simultaneous order	\$	25,482.00
12000-2-110	Section Control 8 rows – extra charge for simultaneous order	\$	28,257.00
12000-2-109	Section Control 12 rows – extra charge for simultaneous order	\$	31,758.00

ASYMMETRICAL ARRANGEMENT OF THE PARALLELOGRAMS

⚠ Technical inspection by APV required!

ITEM NO.	ASYMMETRICAL ARRANGEMENT		
Configuration on request	HM/HS 4506 asymmetrical – extra charge for simultaneous order	\$	827.00
	HM/HS 6008 asymmetrical – extra charge for simultaneous order	\$	1,156.00

Further machine configurations on request!

Required for e.g.: the following combinations:

WHEEL TRACK SETTINGS	ROW SPACING	NUMBER OF ROWS
4.9 ft (1.5 m)	19.7 in (50 cm)	6, 8, 12
6.9 ft (2.1 m)	27.6 in (70 cm)	4, 6, 8
7.4 ft (2.25 m)	29.5 in (75 cm)	4, 6, 8



Further information on page 104

¹ Supplied loose

TINED WEEDER PRO VS

VS 150 / VS 300 / VS 470 / VS 600 / VS 750 / VS 900 / VS 1200

ADVANTAGES

- Removes weeds from the crop while protecting the crop with its unique tine spring system.
- Its sophisticated tine spring system ensures identical tine pressure throughout the entire range of the spring.
- Each tine has its own spring assembly.
- Tines can not only be pre-tensioned, they can also be lifted.
- The wide bearing position of the tines means they do not deflect sideways on undulations, grooves or crops planted on ridges.
- Tine pressure can be variably reduced to zero
- Crops are protected as the spring system is mounted above the frame, giving a high clearance
- Central, hydraulic tine pressure adjustment with easy to read scale as standard
- Hydraulic folding with serial connection of cylinders

WATCH ME



STANDARD SCOPE OF DELIVERY

- Complete implement with 6 rows of cranked tines
- One spring assembly per tine
- Sophisticated tine spring system
- Central, hydraulic tine adjustment
- The VS 470 has a manual tine lifting device installed on each of the 6 outermost tines to achieve a working width of precisely 14.8 ft (4.5m), if desired.
- Feeler wheels with V-profile

TECHNICAL DATA

	VS 150 VS 300	VS 470 VS 600 VS 750	VS 900 VS 1200
Working width	5.6 ft 10.5 ft (1.7m 3.2m)	16 ft 20.3 ft 25 ft (4.9m 6.2m 7.6m)	30.2 ft 40 ft (9.2m 12.2m)
Transport dimensions (folded) in ft (H x W x D)	4.1 x 6 x 7.6 (1.25x1.82x2.30m) 4.1 x 10.8 x 7.6 (1.25x3.29x2.30m)	7.1 x 10 x 7.9 (2.15x3.00x2.40m) 9.4 x 10 x 7.9 (2.85x3.00x2.40m) 11.6 x 10 x 7.9 (3.55x3.00x2.40m)	11.6 x 10 x 7.9 (3.55x3.00x2.40m) 11.6 x 10 x 7.9 (3.55x3.00x2.40m)
Net weight	552 lbs 816 lbs (250kg 370kg)	1,786 lbs 1,984 lbs 2,315 lbs (810kg 900kg 1,050kg)	2,866 lbs 3,417 lbs (1,300kg 1,550kg)
Tine length	20.5 in (520mm)		
Tine diameter	0.32 in (8mm)		
Line spacing	1.40 in (35mm)		
Number of tines	50 pcs. 92 pcs.	140 pcs. 178 pcs. 218 pcs.	266 pcs. 350 pcs.
Mounting category	CAT 1 and CAT 2	CAT 2 and CAT 3N	
Feeler wheels (16.0x6.5–8" tyres)	2 pcs. 2 pcs.	4 pcs. 4 pcs. 4 pcs.	4 pcs. 6 pcs. 2 pcs. 18.0x9.5-8 on the centre frame
Tractor performance	11 kW / 15 HP 22 kW / 30 HP	44 kW / 60 HP 44 kW / 60 HP 51 kW / 70 HP	63 kW / 85 HP 74 kW / 100 HP

▲ A double-acting control unit is required for the central, hydraulic tine pressure adjustment

▲ A double-acting control unit is required for folding

ITEM NO.	TINED WEEDER PRO	
07027-6-038	VS 150 ¹	\$ 11,143.00
07028-6-066	VS 300 ¹	\$ 13,386.00
07032-6-010	VS 470 ¹	\$ 25,297.00
07018-6-135	VS 600 ¹	\$ 30,054.00
07019-6-065	VS 750 ¹	\$ 36,625.00
07020-6-194	VS 900 ¹	\$ 42,226.00
07014-6-338	VS 1200 ¹	\$ 53,174.00

We would be pleased to configure an implement that is tailored to your individual needs. Implements with Pneumatic Seeders, tines with carbide coating and other additional equipment – there are many options! Please contact your APV sales representative for more information.

▲ Accessories are listed on the following pages

COMBINATION OPTIONS

VS 150–VS 300: Can be used with Pneumatic Seeders PS 120-300: see pages 26–27 or SMART TWIN 120-300: see pages 48–49 with electric fan, electric fan PLUS or hydraulic fan and with Multi-Metering System MDP: see page 16

VS 470–VS 1200: Can be used with Pneumatic Seeders PS 120-500: see pages 26–28 or SMART TWIN 120–500: see pages 48–49 with electric fan, electric fan PLUS or hydraulic fan

¹ Transport note - The Tined Weeder Pro is delivered partially assembled.

TINED WEEDER PRO VS

VS 1360 / VS 1520 / VS 1630

COMING SOON



ADVANTAGES

In addition to the advantages of the proven Tined Weeder Pro (see page 120):

- Up to 53.5 ft (16.3 m) working width while complying with the maximum transport dimensions according to Road Traffic
- Regulations (StVO)
- 9.8 ft (3 m) working width on the centre frame
- High efficiency and optimum performance thanks to load sensing
- Greater ease of use thanks to intuitive ISOBUS control
- ISOBUS function TC-BAS for work documentation
- ISOBUS function TC-SC for automatic section control of the harrow sections
- ISOBUS function TC-RC for automatic pressure adjustment according to soil map
- ISOBUS function AUX-N for easy operation via ISOBUS joystick
- Low operating weight
- Flexible feeler wheel positions for a wide range of track widths
- Partial folding of the Tined Weeder Pro is also possible
- Hydraulically swivelling feeler wheels (optional) available on the front and rear side frames
- Precise and even adjustment of the tine preload across the entire working width

TECHNICAL DATA

	VS 1360	VS 1520	VS 1630
Working width	44.6 ft (13.6m)	50 ft (15.2m)	53.5 ft (16.3m)
Transport dimensions (folded) in ft (H x W x D)	12.3 x 9.8 x 8.9 (3.75 x 3.00 x 2.70 m)	12.3 x 9.8 x 8.9 (3.75 x 3.00 x 2.70 m)	12.3 x 9.8 x 8.9 (3.75 x 3.00 x 2.70 m)
Net weight	4,960 lbs (2,250 kg) ¹	5,400 lbs (2,450 kg) ¹	5,620 lbs (2,550 kg) ¹
Tine length	20.5 in (520mm)		
Tine diameter	0.32 in (8mm)		
Line spacing	1.40 in (35mm)		
Number of tines	390 pcs.	436 pcs.	466 pcs.
Mounting category	CAT 2 wit bolts CAT 3		
Feeler wheels (16.0x6.5–8" tyres)	6 pcs.	6 pcs.	6 pcs.
Tractor performance	74 kW / 100 HP	88 kW / 120 HP	102 kW / 140 HP

▲ A load-sensing connection or a single-acting control unit and a pressureless return are required.

STANDARD SCOPE OF DELIVERY

- ISOBUS and Load Sensing controlled
- Complete implement with 6 rows of cranked tines
- One spring assembly per tine
- Sophisticated tine spring system
- V-folding

ITEM NO.	TINED WEEDER PRO	
07025-1-004	VS 1360 ¹	\$ 103,759.00
07024-1-001	VS 1520 ¹	\$ 105,826.00
07029-1-005	VS 1630 ¹	\$ 111,679.00

We will be happy to configure a machine that is customised to your individual requirements. Tines with carbide coating & other additional equipment - many things are possible! Please contact your APV sales representative.

▲ An ISOBUS-compatible towing vehicle is required or the ProfiControl (see page 68) is also needed!

ITEM NO.	ACCESSORIES	
07029-2-103	Feeler wheels at the rear on centre frame	\$ 3,073.00
07029-2-104	Second pair of feeler wheels in the rear on 1 st side frame	\$ 3,276.00
07029-2-105	Third pair of feeler wheels in the rear on 2 nd side frame	\$ 3,276.00
07029-2-106	Feeler wheel harrow – price per wheel	\$ 458.00
07014-2-351	Single tine excavation	\$ 17.00
on request	Carbide tines	Price on request
on request	Mulch seed tines	Price on request
00300-2-443	Set ProfiControl StandAlone ²	\$ 2,992.00
00300-2-445	Set ProfiControl InCab ³	\$ 2,691.00

ACCESSORIES FOR VS 150 & VS 300

TINES WITH CARBIDE COATING

To reduce tine wear, the VS can be equipped with tines with carbide soldered on. Endurance tests show that these tines are worn much more slowly. This extends the service life of the tines until they need to be replaced considerably. The soldered carbide platelet is 2.4 in (60mm) long.



ITEM NO.	CARBIDE TINES		
07027-2-059	Carbide tine for VS 150	\$	1,523.00
07028-2-044	Carbide tine for VS 300	\$	2,410.00

MULCH SEED TINES

For an even wider range of applications for the Tined Weeder Pro, the mulch seed angle was developed. This has an offset angle of 120° and copes even better with organic material than the standard tines.

The tines can thus be adjusted to be even more dragging.



ITEM NO.	MULCH SEED TINES		
07027-2-061	Mulch seed tines for VS 150 - no extra charge	\$	0.00
07028-2-046	Mulch seed tines for VS 300 - no extra charge	\$	0.00
07027-2-062	Carbide mulching tines for VS 150	\$	1,523.00
07028-2-047	Carbide mulching tines for VS 300	\$	2,410.00

WARNING SIGNS AND LIGHTING

Warning signs with LED lighting are available as accessories for the VS. Please always specify the serial number of your implement for retrofits! Stand-alone warning signs with lighting are available as an accessory for front mounting operation of the VS 300.



ITEM NO.	WARNING SIGNS + LED LIGHTING		
07028-2-034	Warning signs + LED lighting VS 300	\$	812.00
07028-2-035	Warning signs + LED lighting VS 300 for front mounting	\$	1,578.00

FEELER WHEELS

The VS can be equipped with feeler wheels at the rear. The feeler wheels at the rear can be swivelled. If necessary, the swivel function can be adjusted with a bolt, no tools required.

If the VS is operated at the front, the rotating feeler wheels must be used instead of the rigid feeler wheels. The front and rear feeler wheel brackets can be shifted in width as desired and thus adjusted to the track width.



ITEM NO.	FEELER WHEELS		
07027-2-049	Rear feeler wheel for VS 150–300	\$	1,635.00
07027-2-048	Front mounting feeler wheel for VS 150–300	\$	1,635.00

BRACKET FOR PNEUMATIC SEEDER OR MULTI-METERING SYSTEM

This bracket is used to mount a Pneumatic Seeder PS 120–300 M1 or a Multi-Metering System MDP 100 on the VS.



ITEM NO.	BRACKET FOR PS OR MD		
07027-2-019	Bracket for Pneumatic Seeder PS	\$	397.00
07027-2-032	Bracket for Multi-Metering System MD	\$	570.00

PLATFORM KIT

A suitable platform kit is available as an accessory to conveniently reach the seeder.



ITEM NO.	PLATFORM KIT VS		
07027-2-017	Platform kit VS 150	\$	906.00
07028-2-013	Platform kit VS 300	\$	1,198.00

DISPERSION PLATE INSTALLATION

When a seeder is mounted on the VS, brackets are required for the dispersion plates. The dispersion plates are positioned in front of the tine section as a standard. Everything is already installed ex-factory. Note: 8 dispersion plates are required when using a Pneumatic Seeder. When using a Multi-Metering System, 6 dispersion plates are required.



ITEM NO.	DISPERSION PLATE INSTALLATION		
07027-2-020	Mounting material and dispersion plates, 8 outlets for VS 150 (for PS)	\$	530.00
07027-2-021	Mounting material and dispersion plates, 6 outlets for VS 150 (for MDP)	\$	467.00
07028-2-014	Mounting material and dispersion plates, 8 outlets for VS 300 (for PS)	\$	705.00
07028-2-015	Mounting material and dispersion plates, 6 outlets for VS 300 (for MDP)	\$	639.00

MANUAL TINE LIFTING

With the manual tine lifting, individual tines can be lifted, e.g. to avoid working in rows where the plants are already taller. As a result, the harrow can be optimally adjusted for crops grown on beds.

Either the entire harrow can be equipped or any number of tine lifting mechanisms can be selected. To actuate the tine lifting mechanism, the metal bar is simply pushed towards the tine.



ITEM NO.	MANUAL TINE LIFTING		
07027-2-024	Tine lifting for VS 150	\$	860.00
07028-2-019	Tine lifting for VS 300	\$	1,696.00
07014-2-351	Individual tine lifting	\$	17.00

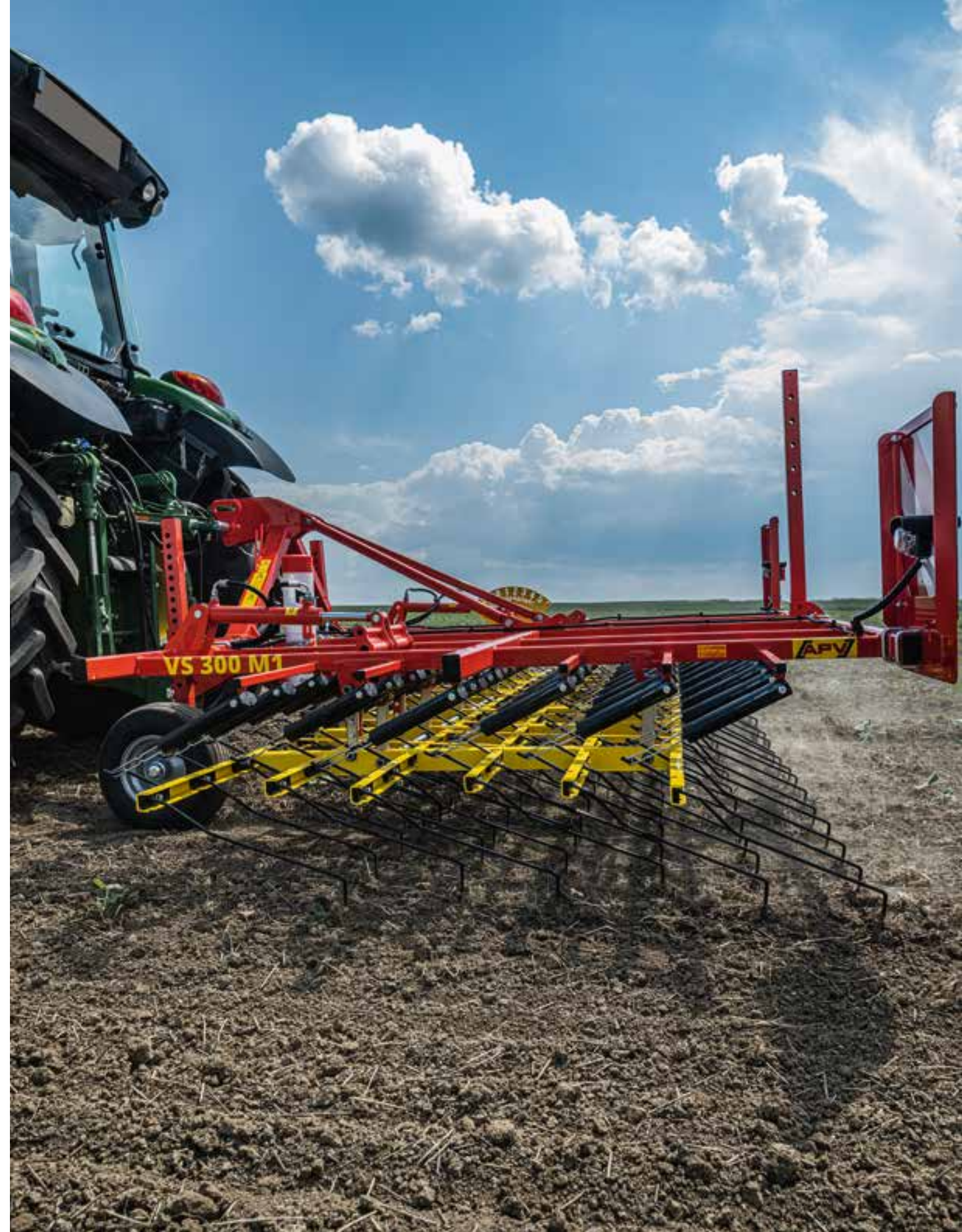
FRONT HEADSTOCK

An additional headstock can be installed on the VS 150 & VS 300 to operate the harrow at the front and rear.

- ▲ When ordering the front headstock, the feeler wheels for front mounting must also be ordered (07027-2-050).
- ▲ With a configured implement for front mounting, 2 steering and 2 rigid feeler wheels are supplied.



ITEM NO.	FRONT HEADSTOCK		
07027-2-037	Front headstock VS 150	\$	1,216.00
07028-2-029	Front headstock VS 300	\$	1,137.00



ACCESSORIES FOR VS 470–VS 1200

TINES WITH CARBIDE COATING

To reduce tine wear, the VS can be equipped with tines with carbide soldered on. Endurance tests show that these tines are worn much more slowly. This extends the service life of the tines until they need to be replaced considerably. The soldered carbide platelet is 2.4 in (60mm) long.



ITEM NO.	CARBIDE TINES		
07032-2-023	Carbide tine for VS 470	\$	3,796.00
07018-2-034	Carbide tine for VS 600	\$	4,822.00
07019-2-012	Carbide tine for VS 750	\$	5,907.00
07020-2-036	Carbide tine for VS 900	\$	7,203.00
07014-2-299	Carbide tine for VS 1200	\$	9,481.00

MULCH SEED TINES

For an even wider range of applications for the Tined Weeder Pro, the mulch seed angle was developed. This has an offset angle of 120° and copes even better with organic material than the standard tines. The tines can thus be adjusted to be even more dragging.



ITEM NO.	MULCH SEED TINES		
07032-2-039	Mulch seed tines for VS 470 - no extra charge	\$	0.00
07018-2-108	Mulch seed tines for VS 600 - no extra charge	\$	0.00
07019-2-029	Mulch seed tines for VS 750 - no extra charge	\$	0.00
07020-2-095	Mulch seed tines for VS 900 - no extra charge	\$	0.00
07014-2-821	Mulch seed tines for VS 1200 - no extra charge	\$	0.00
07032-2-040	Carbide mulching tines for VS 470	\$	3,796.00
07018-2-109	Carbide mulching tines for VS 600	\$	4,822.00
07019-2-030	Carbide mulching tines for VS 750	\$	5,907.00
07020-2-096	Carbide mulching tines for VS 900	\$	7,203.00
07014-2-822	Carbide mulching tines for VS 1200	\$	9,481.00

WARNING SIGNS AND LIGHTING

For the VS, warning signs with LED lighting are also available as an accessory. Please always specify the serial number of your implement for retrofits!



ITEM NO.	WARNING SIGNS + LED LIGHTING		
07026-2-006	2 warning signs + LED lighting rear VS	\$	1,063.00
07014-2-693	4 warning signs + LED lighting front + rear VS	\$	1,517.00

REAR FEELER WHEELS

The VS can be equipped with feeler wheels at the rear. A cross beam is mounted instead of the support legs. The feeler wheel brackets can be shifted as required on the cross bar to adjust the track width. The feeler wheels at the rear can be swivelled. If necessary, the swivel function can be adjusted with a bolt, no tools required.



ITEM NO.	REAR FEELER WHEELS		
07014-2-787	Rear feeler wheels (2 feeler wheels on the centre frame)	\$	1,648.00
07014-2-788	Rear inner feeler wheels (2 feeler wheels on the 1st side frame)	\$	2,688.00

BRACKET FOR PNEUMATIC SEEDER

This bracket is used to attach a Pneumatic Seeder PS 120–500 on the VS.



ITEM NO.	BRACKET FOR PS		
07014-2-385	Bracket for Pneumatic Seeder	\$	728.00

PLATFORM KIT

A suitable platform kit is available as an accessory to conveniently reach the seeder.



ITEM NO.	PLATFORM KIT VS		
07014-2-386	Accessories kit, platform kit for harrow without rear feeler wheels	\$	1,355.00
07014-2-387	Accessories kit, platform kit for harrow with rear feeler wheels	\$	1,437.00

DISPERSION PLATE INSTALLATION

When a seeder is mounted on the VS, brackets are required for the dispersion plates. The dispersion plates are positioned in front of the tine section as a standard. Everything is already installed ex-factory.



ITEM NO.	DISPERSION PLATE INSTALLATION		
07032-2-029	Installation material for dispersion plates for VS 470	\$	211.00
07018-2-033	Installation material for dispersion plates for VS 600	\$	211.00
07019-2-011	Installation material for dispersion plates for VS 750	\$	414.00
07020-2-035	Installation material for dispersion plates for VS 900	\$	414.00
07014-2-298	Installation material for dispersion plates for VS 1200	\$	414.00

MANUAL TINE LIFTING

With the manual tine lifting, individual tines can be lifted, e.g. to avoid working in rows where the plants are already taller. As a result, the harrow can be optimally adjusted for crops grown on beds.

Either the entire harrow can be equipped or any number of tine lifting mechanisms can be selected. To actuate the tine lifting mechanism, the plate is simply pushed towards the tine.



ITEM NO.	MANUAL TINE LIFTING		
07032-2-025	Tine lifting for VS 470	\$	2,479.00
07018-2-047	Tine lifting for VS 600	\$	3,152.00
07019-2-015	Tine lifting for VS 750	\$	3,861.00
07020-2-049	Tine lifting for VS 900	\$	4,713.00
07014-2-363	Tine lifting for VS 1200	\$	6,197.00
07014-2-351	Individual tine lifting	\$	17.00

HALF-SIDE FOLDING

With the half-side folding, both sides of the Tined Weeder Pro can be folded and unfolded independently of each other from the driver's seat.



ITEM NO.	HALF-SIDE FOLDING		
07018-2-088	Half-side folding VS 470 / 600 / 750	\$	515.00
07014-2-624	Half-side folding VS 900 / 1200	\$	515.00

V-FOLDING

V-folding allows fast lifting of the side frames on the headlands. The side frames are lifted using an additional, double-acting control unit.



ITEM NO.	V-FOLDING		
--	Factory-installed V-folding	\$	1,335.00
07014-2-672	V-folding for retrofitting	\$	2,146.00

FEELER WHEELS WITH GROOVED PROFILE

Sometimes, different soil types require different tyre profiles. For this reason, it is possible to equip the Tined Weeder Pro with feeler wheels with grooved profile.



ITEM NO.	FEELER WHEELS WITH GROOVED PROFILE		
Configuration upon request	No surcharge	\$	0.00

FEELER WHEEL HARROW FOR REAR FEELER WHEELS

The feeler wheel harrow eliminates the tracks of the rear feeler wheels. 1 accessory set of feeler wheel harrow is required per feeler wheel.



ITEM NO.	FEELER WHEEL HARROW		
07014-2-766	Feeler wheel harrow	\$	376.00

PRECISION PRE-LOAD TECHNOLOGY WITH LINEAR STROKE FLOW DIVIDERS

The accuracy of the pre-load is optimised compared to the standard pre-load by using linear stroke flow dividers. This precision pre-load technology can be ordered ex works.



ITEM NO.	PRECISION PRE-LOAD TECHNOLOGY WITH LINEAR STROKE FLOW DIVIDERS		
07020-2-101	Extra charge for linear stroke flow divider VS 900 (if ordered at the same time)	\$	4,726.00
07014-2-853	Extra charge for linear stroke flow divider VS 1200 ¹ (if ordered at the same time)	\$	4,726.00

¹ Installation of Pneumatic Seeders in combination with half-side folding NOT possible

TINED WEEDER AS

AS 300 / AS 600 / AS 900 RIGID

ADVANTAGES

- The Tined Weeder is the basic model for mechanical weed control
- Tines spill or pull out unwanted weeds
- Uniform work pattern across 10ft, 20ft or 30 ft (3m, 6m or 9m) thanks to the ideal line spacing of exactly 1.2 in (31.25mm)
- Greater bend angle of the tines for optimal harrowing results
- 0.24 in, 0.28 in and 0.32 in (6mm, 7mm and 8mm) tines can be mounted
- Uniform application of pressure by the forks to the tine sections on uneven ground

TECHNICAL DATA

	AS 300	AS 600	AS 900
Working width	10 ft (3m)	20 ft (6m)	30 ft (9m)
Transport dimensions (folded) in ft (H x W x D)	4.9 x 10 x 7.2 (1.50x3.00x2.20m)	10.2 x 10 x 7.2 (3.10x3.00x2.20m)	12.5 x 10 x 7.2 (3.80x3.00x2.20m)
Net weight	838 lbs (380kg)	1,477 lbs (670kg)	2,095 lbs (950kg)
Tine length	17.7 in (450mm)		
Tine diameter	0.28 in (7mm)		
Line spacing	1.2 in (31.25mm)		
Number of tines	96 pcs.	192 pcs.	288 pcs.
Number of tines per section	48 pcs.		
Mounting category	CAT 2 or CAT 3N		
Feeler wheels (18.5x8.5–8" tyres)	2 pcs.	2 pcs.	4 pcs.
Tractor performance	22 kW / 30 HP	44 kW / 60 HP	51 kW / 70 HP

⚠ A single-acting or, at extra cost, a double-acting control unit is required for folding

STANDARD SCOPE OF DELIVERY

- Complete implement, each with 5 ft (1.5m)-wide tine sections
- Parking supports
- Front feeler wheels with grooved profile, 2 or 4 pieces depending on working width
- Handle on all of the feeler wheels for height adjustment
- 6 rows of tines with 0.24 in, 0.28 in and 0.32 in (6mm, 7mm and 8mm) tines
- Mechanical or optional hydraulic tine adjustment



ITEM NO.	TINED WEEDER	
07034-6-022	AS 300 ¹ (0.24 in (6mm) tines)	\$ 6,672.00
07034-6-023	AS 300¹ (0.28 in (7mm) tines)	\$ 6,706.00
07034-6-024	AS 300 ¹ (0.32 in (8mm) tines)	\$ 6,773.00
07017-6-192	AS 600 ¹ (0.24 in (6mm) tines)	\$ 11,118.00
07017-6-193	AS 600¹ (0.28 in (7mm) tines)	\$ 11,185.00
07017-6-194	AS 600 ¹ (0.32 in (8mm) tines)	\$ 11,320.00
07016-6-075	AS 900 ¹ (0.24 in (6mm) tines)	\$ 17,604.00
07016-6-076	AS 900¹ (0.28 in (7mm) tines)	\$ 17,705.00
07016-6-077	AS 900 ¹ (0.32 in (8mm) tines)	\$ 17,916.00

We would be pleased to configure your own custom implement, for example: setup with Pneumatic Seeders. APV offers you many options. Please contact your APV sales representative for more information.

ITEM NO.	TOP-SELLER	
07034-6-025	AS 300 incl. warning signs + LED lighting	\$ 7,575.00
07017-6-195	AS 600 incl. hydraulic tine adjustment and warning signs + LED lighting (final assembly)	\$ 16,904.00
07016-6-078	AS 900 incl. hydraulic tine adjustment and warning signs + LED lighting (final assembly)	\$ 24,369.00

ITEM NO.	DOUBLE-ACTING FOLDING	
07002-2-107	Double-acting hydraulic cylinder	\$ 396.00

COMBINATION OPTIONS

AS 300: Can be used with Multi-Metering System MDP 100 with 4 outlets: see page 16 or Single Disc Spreader ES 100 Classic: see page 13

AS 600–AS 900: Can be used with Pneumatic Seeders PS 120-500: see pages 26–28 or SMART TWIN 120–500: see pages 48-49 with electric fan, electric fan PLUS or hydraulic fan

¹ Transport note: the Tined Weeder is delivered partially assembled on a pallet.

TINED WEEDER AS

AS 900 / AS 1200 SCISSORS FOLDING

ADVANTAGES

- The Tined Weeder is the basic model for mechanical weed control
- Tines spill or pull out unwanted weeds
- Uniform work pattern across 30 ft or 40 ft (9 or 12 m) thanks to the ideal line spacing of exactly 1.2 in (31.25mm)
- Greater bend angle of the tines for optimal harrowing results
- 0.24 in, 0.28 in and 0.32 in (6mm, 7mm and 8mm) tines can be mounted
- Uniform application of pressure by the forks to the tine sections on uneven ground

TECHNICAL DATA

	AS 900 Scissors folding	AS 1200 Scissors folding
Working width	30 ft (9m)	40 ft (12m)
Transport dimensions (folded) in ft (HxWxD)	11.6 x 10 x 7.9 (3.55x3.00x2.40m)	11.6 x 10 x 7.9 (3.55x3.00x2.40m)
Net weight	2,535 lbs (1,115kg)	2,866 lbs (1,300kg)
Tine length	17.8 in (450mm)	
Tine diameter	0.28 in (7mm)	
Line spacing	1.2 in (31.25mm)	
Number of tines	288 pcs.	384 pcs.
Number of tines per section	48 pcs.	
Mounting category	CAT 2 or CAT 3N	
Feeler wheels (18.5x8.5–8" tyres)	4 pcs.	
Tractor performance	59 kW / 80 HP	66 kW / 90 HP

▲ For convenient operation and an optimum folding process, we recommend the hydraulic tine adjustment!

STANDARD SCOPE OF DELIVERY

- Complete implement, each with 5 ft (1.5m)-wide tine sections
- Parking supports
- Front feeler wheels with grooved profile, 2 or 4 pieces depending on working width
- Handle on all of the feeler wheels for height adjustment
- 6 rows of tines with 0.24 in, 0.28 in and 0.32 in (6mm, 7mm and 8mm) tines
- Mechanical or optional hydraulic tine adjustment



ITEM NO.	TINED WEEDER	
07021-6-087	AS 900 scissors folding ¹ (0.24 in (6mm) tines) final assembly	\$ 21,686.00
07021-6-088	AS 900 scissors folding¹ (0.28 in (7mm) tines) final assembly	\$ 21,796.00
07021-6-089	AS 900 scissors folding ¹ (0.32 in (8mm) tines) final assembly	\$ 21,998.00
07015-6-144	AS 1200 scissors folding ¹ (0.24 in (6mm) tines) final assembly	\$ 25,437.00
07015-6-145	AS 1200 scissors folding¹ (0.28 in (7mm) tines) final assembly	\$ 25,617.00
07015-6-146	AS 1200 scissors folding ¹ (0.32 in (8mm) tines) final assembly	\$ 25,887.00

We would be pleased to configure your own custom implement, for example: setup with Pneumatic Seeders. APV offers you many options. Please contact your APV sales representative for more information.

ITEM NO.	TOP-SELLER	
07021-6-090	AS 900 scissors folding incl. hydraulic tine adjustment and warning signs + LED lighting (final assembly)	\$ 28,989.00
07015-6-147	AS 1200 scissors folding incl. hydraulic tine adjustment and warning signs + LED lighting (final assembly)	\$ 34,634.00

COMBINATION OPTIONS

Can be used with Pneumatic Seeders PS 120-500: see pages 26–28 or SMART TWIN 120–500: see pages 48-49 with electric fan, electric fan PLUS or hydraulic fan

¹ Transport note: the Tined Weeder is delivered partially assembled on a pallet.

SNOW AND ICE REMOVAL SPREADER WD

WD 40

ADVANTAGES

- Spreading dry, fine salt on pavements and car parks
- Perfect device for private and hobby use
- Versatile mounting options thanks to compact design
- High-quality Control Box (speed (rpm) measurement and control, monitoring)
- Automatic start for firmly tapped spreading material
- Easy adjustment of the working width from the driver's seat
- Can also be used in the summer to spread cover crops

TECHNICAL DATA

	WD 40
Working width	3 - 16 ft (1-5m) with salt
Dimensions in inches (H x W x D)	24 x 17.7 x 24 (60x45x60cm)
Hopper (plastic)	1 U.S.bsh. (40l) (approx. 110 lbs (50kg) salt)
Net weight	51 lbs (23 kg)
Power data	12 V / 25 A

STANDARD SCOPE OF DELIVERY

- Electric Control Box 2.10 with mounting bracket for installation in the driver's cab
- Frame with CDC coating (common in the automobile industry)
- Stainless steel spreading disc, agitator, motor shaft and metering slider
- Complete implement with electrically driven spreading disc and adjustable throwing vanes
- 1 deflector, top link mounting, counter plate
- 10 ft (3m) cable for the power supply from the battery to the Control Box, 20 ft (6m) cable from the spreader to the Control Box



ITEM NO.	SNOW AND ICE REMOVAL SPREADER		
05001-1-001	WD 40		\$ 2,382.00

⚠ Use the snow and ice removal spreaders to spread dry, fine salt only!

ITEM NO.	ACCESSORIES		
00300-1-001	Tail-gate mounting bracket		\$ 480.00
00300-2-107	Bracket for towing hitch		\$ 526.00
00300-2-022	Height-adjustable quad (ATV) bracket		\$ 733.00
00410-2-190	ES SS extension cable 16 ft (5m)		\$ 121.00

ITEM NO.	MOUNTING OPTIONS SPREADER WITH BRACKETS	KS 40	ES 100 Classic	MD 40	MD 100	WD 40	UDW 100	UDW 250
00300-2-107	Bracket for towing hitch ¹	x	x	x	x	x	x	---
00300-1-001	Tail-gate mounting bracket	x	x	x	x	x	x	---
00300-2-022	Height-adjustable quad (ATV) bracket	x	x	x	x	x	x	---
00300-2-135	Quad (ATV) bracket	x	x	x	x	x	x	---
00300-1-089	Implement triangle bracket	x	x	x	x	x	x	---

x Possible
 --- Not possible

COMBINATION OPTIONS

Use is possible with tractors, communal tractors, small tractors, powerful ATVs or off-road vehicles.

¹ Observe the trailer drawbar load for your carrier vehicle!

UNIVERSAL DISPENSER UDW

UDW 100 / UDW 250

ADVANTAGES

- Spread salt, small-grained grit (2/4 grain size) or mixtures thereof
- Perfect device for the municipal sector
- Small to large quantities can be precisely metered using the flex seeding shaft with a diameter of 3.2 in (80mm)
- Force-driven agitator
- Ground speed-related spread rate (with sensors)¹
- Easy calibration test (with the spreading plate stationary and folded)
- Spreading of corrosive spreading material (fertilizer) is possible

TECHNICAL DATA

	UDW 100	UDW 250
Working width	3 - 20 ft (1-6m) with salt or grit ¹	
Max. metered quantity	up to 44 lbs (20kg) of salt/minute	
Dimensions in inches (H x W x D)	43.3 x 21.6 x 21.6 (110x55x55cm)	130 x 100 x 85 (130x100x85cm)
Hopper	2.9 U.S.bsh. (105l) (approx. 265 lbs (120kg) salt)	7 U.S.bsh. (250l) (approx. 617 lbs (280kg) salt)
Net weight	101 lbs (46kg)	177 lbs (80kg)
Power data	12 V / 30 A	

STANDARD SCOPE OF DELIVERY

- Frame with CDC coating (common in the automobile industry)
- Metering unit completely made of stainless steel
- Complete implement with electrically driven spreading disc with 4 adjustable throwing vanes and electrically controlled seeding shaft
- 1 deflector, top link mounting, counter plate, calibration bag
- 1 Flex seeding shaft with 3.2 in (80mm) diameter
- 10 ft (3m) cable for the power supply from the battery to the 3-pin plug and 5 ft (1.5m) cable from the 3-pin plug to the Control Box
- 20 ft (6m) cable from the spreader to the Control Box



ITEM NO.	SNOW AND ICE REMOVAL SPREADER		
11003-6-007	UDW 100	\$	4,974.00
11004-6-009	UDW 250	\$	6,231.00

⚠ Use the snow and ice removal spreaders to spread dry, fine salt only!

⚠ You need a suitable Control Box:

ITEM NO.	CONTROL BOXES		
00300-2-201	Control Box 1.2	\$	987.00
00300-2-042	Control Box 5.2	\$	1,943.00

ITEM NO.	ACCESSORIES		
00410-2-185	Calibration button ¹	\$	174.00
11000-2-060	Fill level sensor for UDW 100	\$	332.00
04000-2-269	Fill level sensor for UDW 250	\$	456.00
00300-1-001	Pick-up mounting bracket ²	\$	480.00
00410-2-148	Extension cable PS MX 6.6 ft (2m)	\$	219.00
00410-2-149	Extension cable PS MX 16 ft (5m)	\$	295.00
11003-2-025	Shovel bracket	\$	174.00
11003-2-028	Calibration slide	\$	96.00
11004-2-019	Lighting ³	\$	520.00
11003-2-068	Special seeding shaft for spreading grit	\$	239.00

⚠ Mounting options for Snow and Ice Removal Spreaders, see page 137

The speed sensors¹ can be found on pages 70–72.

COMBINATION OPTIONS

Use is possible with tractors, pick-ups, platform trucks and off-road vehicles.

KIT FOR SOIL TESTING

SOIL CHECK SC FULL EDITION

The Soil Check Full Edition impresses with its extensive options for easily and quickly checking your soil to obtain important parameters. With the help of illustrated explanations, this set can be particularly used to measure and determine the **pH value (soil water and neutral salt), nitrate content, carbonate content (CaCO₃), aggregate and humus stability, soil infiltration, soil temperature, general compaction, soil zones, soil texture and soil texture differences.** You can identify the condition and needs of your soil and adjust your cultivation methods as needed.

SCOPE OF DELIVERY

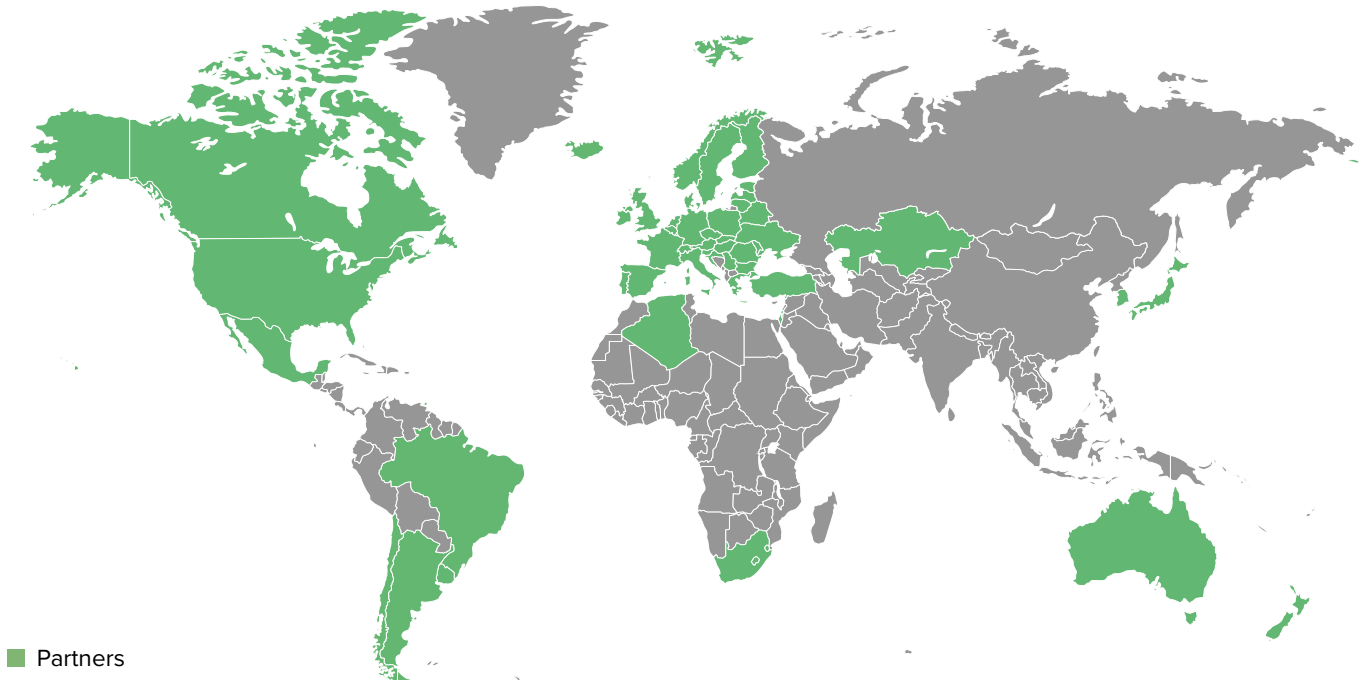
- Transport bag
- Auger and pulling device
- Hammer
- Spade
- Work gloves
- Plastic cup
- Measuring cup
- Bucket
- Scale
- Filter paper
- Writing pad and writing material

- Pocket scale
- Distilled water
- Test tubes
- 10% hydrochloric acid
- Petri dish
- Nitrite/nitrate measuring strips
- pH measuring strips
- Hellige pH meter
- PVC pipe (soil infiltration)
- Soil thermometer
- Soil probe

ITEM NO.	SOIL CHECK FULL	
00300-2-278	Soil Check Full	\$ 2,392.00



APV WORLDWIDE



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AMBITION. PASSION. VISION.

