

AIR BOOM APPLICATORS

AB200DS / AB320DF

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Precision Fertilizer Application with Salford & John Deere®

Salford, in partnership with John Deere®, offers air boom applicators for the 600R row crop and 800R floater chassis, as well as some other late model John Deere power units. John Deere has made Salford an allied supplier of these applicators in recognition of the mutual commitment to providing high-quality, durable equipment with a performance advantage.

Salford's Valmar applicators defined air boom application technology, known for accuracy and reliability in challenging conditions. Today, Salford continues to set the standard for air boom applicators with unique multi-bin configurations, wide rate ranges, and true mid-row delivery for row crop chassis.

By choosing Salford air boom applicators, you not only benefit from advanced technology and superior performance but also enjoy the dependable support and extensive service network that comes with John Deere equipment. Invest in a partnership that values precision, durability, and reliability to help your business thrive in the competitive fertilizer application market.



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AB200DS



HOPPER & METERING: TWO PRODUCT APPLICATION

The AB200DS applicators are available with two unique hopper configurations. Either configuration allows for a single product or two product application. Both hopper configurations can also be useful for applying treated products.

OPTION 1: AB200DS2

Allows filling the entire hopper with one product or two products in a 50/50 or 60/40 split. Each bin partition has independent metering for variable rate application. This configuration is ideal for medium to high-rate application, providing flexibility and precision.



50/50



60/40



ONE PRODUCT

OPTION 2: AB200DSM

185 cubic foot primary hopper with a 30 cubic foot micro-bin. The micro-bin's secondary metering rollers can be changed for lower rates or finer products, ideal for micro-nutrients, granular crop protection, or cover crops. An internal gate allows product diversion from the micro-bin to the primary hopper for single-product application.



ONE PRODUCT



MICRO-BIN



80-FOOT ROW CROP BOOM WITH 30 INCH ON CENTER SPACING

The AB200DS has an 80-foot working width, 14% wider than the next largest pneumatic applicator, providing stability at high speeds. It supports controlled traffic patterns to reduce soil compaction.



HYDRAULIC BOOM SUSPENSION

The hydraulic boom suspension allows for greater infield stability at higher operating speeds. The boom height is manually controlled by the operator to improve contouring in uneven terrain.



DROP TUBE KIT FOR POST EMERGENCE APPLICATION & COVER CROP

The 80-foot boom can have optional drop tubes for applying granular fertilizer to standing crops, preventing leaf burn and enhancing mid-season nutrient delivery for better yields.



ELECTRIC TARP

The AB200DS hopper includes an electrically controlled tarp, operable from the cab via the G5^{Plus} CommandCenter™ or a wireless remote.



BOOM FOLD MULTI-FUNCTION HANDLE & COMMANDARM™ INTEGRATION

John Deere's cab control system integrates intuitive boom fold controls, allowing independent or simultaneous folding of right and left booms via a multi-function handle.



BOOMS CLEAR UP TO 69 INCHES

The AB200DS has a higher clearance boom for post-emergence applications, suitable for late-season corn. The 69-inch clearance is based on 380/105R50 tires.



FACTORY CALIBRATED AIR BOOMS

Air booms and funnels are factory calibrated. This makes for incredibly accurate application in the widest range of conditions.



G5^{PLUS} COMMANDCENTER™ WITH BAC™ RATE CONTROL

Prescription variable rate control is managed through G5^{Plus} CommandCenter™ with BAC software, allowing manual or automatic section control and fan operation.



CLOSED CENTER HYDRAULIC SYSTEM

The closed-center hydraulic system uses only the needed power. The AB200DS connects to the chassis with four hoses for easy wet system swaps.



EASY ACCESS GREASE BANKS

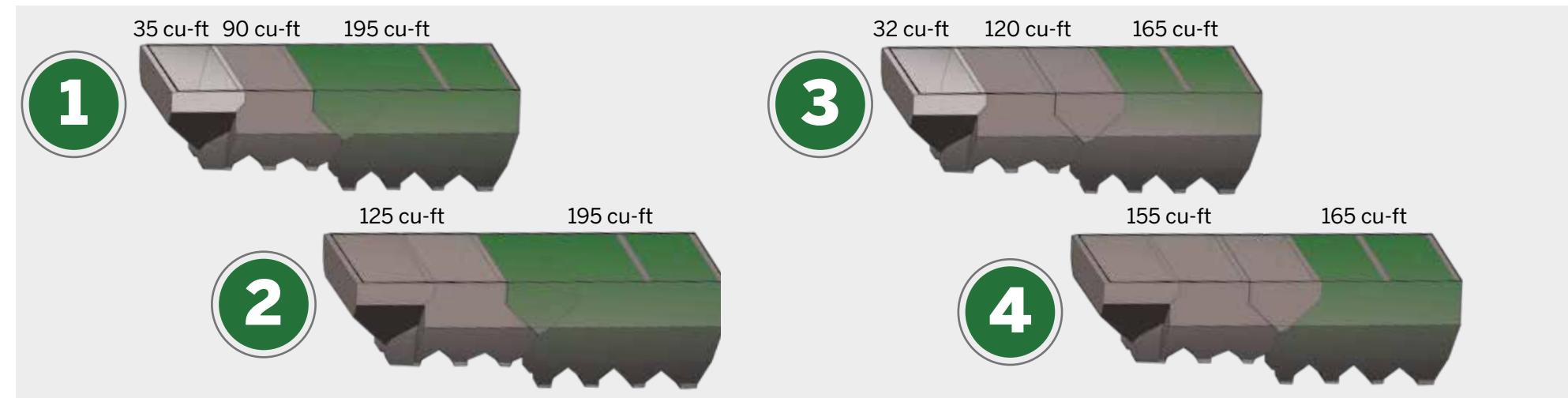
The AB200DS has three grease banks for quick maintenance: one at the front left and two at the rear for LH and RH access.

AB320DF



HOPPER & METERING: THREE PRODUCT APPLICATION

The AB320DF model is capable of applying one, two or three products at once with various hopper configurations. Empty hoppers can be adjusted in seconds, no tools or bin inserts required.



90-FOOT BOOM WITH 30 INCH OUTLETS

The 90 ft. boom is 28% larger than 70-ft pneumatic applicators, covering more ground in less time, and with less compaction. Each side of the boom is independently metered for variable rate application and left/right section control.



HYDRAULIC BOOM SUSPENSION

The hydraulic boom suspension allows for greater infield stability at higher operating speeds. The boom height is manually controlled by the operator to improve contouring in uneven terrain.



MULTI-COMPARTMENT HOPPER

Equipped with multi-bin and micro-hopper options. The multi-hopper can apply 3 products at variable rates. The primary system can apply up to 1,200 lbs/acre at 10 mph. The micro-hopper applies rates as low as 5 lbs/acre.



ELECTRIC TARP

The AB320DF hopper includes an electrically controlled tarp, operable from the cab via the G5^{Plus} CommandCenter™ or a wireless remote.



DURABLE 304 STAINLESS STEEL BOOM

The 90 ft. boom, built for high-speed use, features a durable 12 gauge truss and hydraulic suspension for stability. A spring trip breakaway protects the folding tip, and boom skis prevent ground strikes.



BOOM FOLD MULTI-FUNCTION HANDLE & COMMANDARM™ INTEGRATION

John Deere's cab control system integrates intuitive boom fold controls, allowing independent or simultaneous folding of right and left booms via a multi-function handle.



FACTORY CALIBRATED AIR BOOMS

Air booms and funnels are factory calibrated. This makes for incredibly accurate application in the widest range of conditions.



G5^{PLUS} COMMANDCENTER™ WITH BAC™ RATE CONTROL

Prescription variable rate control is managed through G5^{Plus} CommandCenter™ with BAC software, allowing manual or automatic section control and fan operation.



FULL CHASSIS INTEGRATION

The AB320DF is designed for the 800R John Deere floater chassis. It includes hydraulic components, fenders, mounting brackets, terminal/control connections, and transport/work lights.



EASY ACCESS GREASE BANKS

The AB320DF has three grease banks for quick maintenance: one at the front left and two at the rear for LH and RH access.

AB200DS Specifications			
Hopper		AB200DS2	AB200DSM (Micro-bin)
Material	409 Stainless Steel, Painted		409 Stainless Steel, Painted
Total Capacity (struck)	200 cu-ft		215 cu-ft
Main Hopper Capacity	100 cu-ft or 120 cu-ft		185 cu-ft
Secondary Bin Capacity	100 cu-ft or 80 cu-ft		30 cu-ft
Lighting	LED Red/Amber Transport; LED Work Lights Beacon light ready (light not included) *600R only		
Tarp	Electric		
Metering			
Main Hopper	LH & RH 14 inch conveyors (upper & lower chain section each side); 304 stainless steel mesh chain		LH & RH 14 inch conveyors (1 chain sections each side); 304 stainless steel mesh chain
Micro-bin	N/A		LH & RH 14 inch roller meters (2 sections)
Micro-bin Roller Meter Options	N/A		Standard rate pegged roller or Low rate pegged roller
Rate Control	G5 ^{Plus} CommandCenter™ BAC™ integrated rate control		
Section Control	2 Section (Manual & Automatic)		
Application Rates*			
Main Metering Chains	750 / 90 lbs/acre (Max/Min)*,**		750 / 95 lbs/acre (Max/Min)*,**
Micro-Bin Low Rate Pegged Roller	N/A		275 / 15 lbs/acre (Max/Min)*
Micro-bin Groove Red Meter	N/A		75 / 5 lbs/acre (Max/Min)*
Booms		80 foot	
Outlet Spacing	30 inch		
Post Emergence Application	Yes (30 in. row spacing)		
Material	304 Stainless Steel		
Boom Suspension	Hydraulic		
Boom Control	Multi-function handle integration		
Chassis Connection			
Hydraulic Connection	Pressure, Return, Load Sense, Case Drain on Chassis Manifold		
Electrical Connections	Chassis Bulkhead and ISO Tee		
General			
Chassis Compatibility	John Deere® 600R, R4060, R4045* (*2020 and newer)		
	Mounting includes isolator mounts and hardware to match John Deere® sprayer chassis		

Estimated rates at 10 mph ground speed using product bulk density of 65 lbs/cu-ft. Actual rates may vary. Maximum Volume 18.65 cu ft/min

AB320DF Specifications				
Hopper		AB320DF2M		
Material	409 Stainless Steel, Painted			
Total Capacity (struck)	320 cu-ft			
Main Hopper Capacity	195 cu-ft	165 cu-ft	195 cu-ft	165 cu-ft
Secondary Bin Capacity	125 cu-ft	155 cu-ft	90 cu-ft	120 cu-ft
Micro Bin Capacity	-	-	35 cu-ft	35 cu-ft
Lighting	LED Red/Amber Transport; LED Work Lights Beacon light ready (light not included) *800R only			
Tarp	Optional electric tarp kit with remote control			
Metering				
Main Hopper	LH & RH 16 inch conveyors (1 chain sections each side); 304 stainless steel mesh chain			
Micro-bin	LH & RH 16 inch roller meters (2 sections)			
Micro-bin Roller Meter Options	Standard rate pegged roller or Low rate pegged roller			
Rate Control	G5 ^{Plus} CommandCenter™ BAC™ integrated rate control			
Section Control	2 Section (Manual & Automatic)			
Application Rates*				
Main Metering Chains	1200 / 75 lbs/acre (Max/Min)*,**			
Micro-Bin Low Rate Pegged Roller	75 / 5 lbs/acre (Max/Min)*,**			
Micro-bin Groove Red Meter	280 / 15 lbs/acre (Max/Min)*,**			
Booms		90 foot		
Outlet Spacing	30 inch			
Post Emergence Application	N/A			
Material	304 Stainless Steel			
Boom Suspension	Hydraulic			
Boom Control	Multi-function handle integration			
Chassis Connection				
Hydraulic Connection	Salford supplied pump kit for mounting to John Deere 800R			
Electrical Connections	Chassis Bulkhead and ISO Tee			
General				
Chassis Compatibility	John Deere 800R			
	Mounting kit includes: Mounting hardware and hopper isolator mounts; Pumps and hydraulic components for mounting to transmission; Control connections to 800R bulkhead (connects to G5 CommandCenter display, function control switches, multi-function handle and CommandArm); BAC integrated product controller; Fender mounting brackets and fenders.			

*Rates are based on a ground speed of 10 mph with a product bulk density of 65 lbs/cu-ft and a constant of 64 pulses/cu ft. Actual rates may vary; machine calibration is required. **Main hopper max volume is 33.57 cu ft/min.





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