

SALFORD

VALMAR

AIRFLO APPLICATORS

SALFORD



INNOVATORS IN APPLICATION TECHNOLOGY

Valmar™, a Division of Salford Group Inc. designs and manufactures granular applicators for fertilizer, herbicide, insecticide, seed, inoculant and forage preservatives. Our products are used by farm producers, commercial operators and agriculture research specialists.

The company was founded in 1977 by Charles Balmer, who was the principal designer and innovator of Valmar Airflo™ technology. Both the company and the product line evolved from a custom application business he operated in the mid-1970's. The current facilities include a 30,000 square foot manufacturing plant and a 12,000 square foot research and development building on 12 acres. Valmar Airflo Inc. became part of Salford Group in 2015.

In addition to the regular product line, Valmar has engineered and licensed Airflo applicators that have been manufactured and sold under license by companies such as AGCO®, Ag Chem®, LOR*AL® and Willmar®.





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VALMAR 9620 PULL-TYPE AIR BOOM



THE LARGEST PULL-TYPE AIR BOOM APPLICATOR **ON THE MARKET**

The 9620's 660 cubic foot capacity is designed to reduce fill stops. The heavy duty 20-ton walking beam suspension carries the load with confidence at high speed. In many conditions operators can apply more than 100 acres per hour.

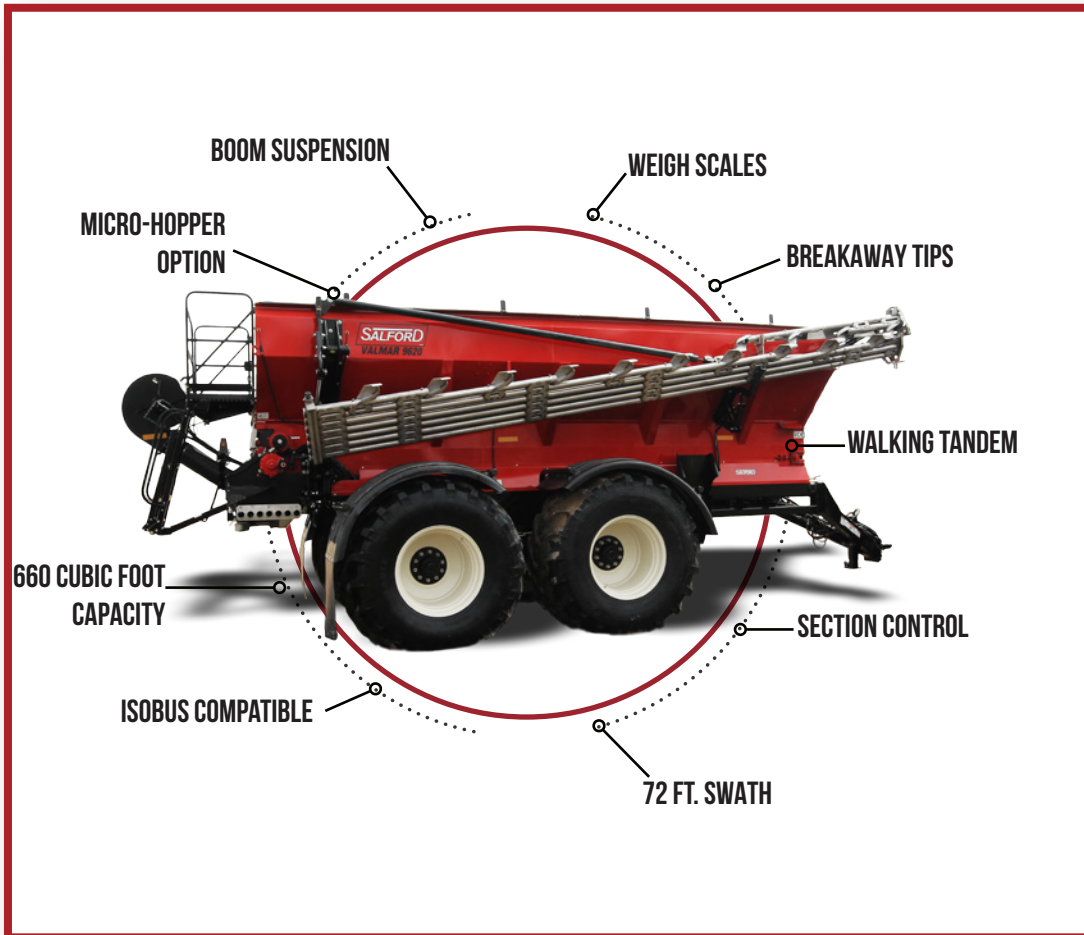
The 72-foot boom helps cover acres quickly as the hydraulic suspension ensures boom stability. The booms can be hydraulically raised and lowered up to a total of 8 feet at the tip, allowing the 9620 to contour the ground for the most accurate application. Prior to leaving the factory, all air booms are factory calibrated and certified to ensure accuracy of the target application rate on each side of the machine.

The 9620's speed, precision, capacity, and value make it an economical alternative for self-propelled air boom units.

UNIQUE FEATURES

- 72-foot boom constructed from 304 stainless steel
- Hydraulic boom suspension with 7-foot breakaway boom tips and contour up to 8 feet from ground level to follow uneven terrain
- 660 cubic foot hopper with an optional secondary micro hopper
- ISOBUS compatible variable rate and left/right section control*
- Keep products like coated urea and sulfur in separate compartments to increase their effectiveness
- Maximum flotation and high-speed travel with 20-ton walking beam suspension and 800/65R32 tires

9620



HOPPER	<ul style="list-style-type: none"> • 660 cubic foot total capacity - 600 cubic feet main, 60 cubic feet secondary with partition gate closed • Painted, 409 stainless steel • Electric roll tarp installed • Rear ladder and platform • Fill screens with access doors to hopper(s) • Work lights
BOOMS	<ul style="list-style-type: none"> • 72-foot spread / 304 stainless steel / hydraulic fold • Hydraulic boom suspension w/accumulator • 7-foot breakaway tips – hydraulic fold • Hydraulic boom tip manual height control
METERING SYSTEM	<ul style="list-style-type: none"> • Independent Left/Right PWM Motor Control • 304 stainless steel funnels & air manifold • Calibration chutes • (Main) Left hand/right hand independently driven 16 inch 304 stainless steel mesh conveyors, hydraulic meter motors (one per conveyor) 2-section control • (Secondary) Dual meter rollers with electric clutch for left hand/right hand on/off - single hydraulically driven motor
FAN	<ul style="list-style-type: none"> • 17-inch S3 hydraulic direct drive fan • 9-inch outlet direct to air manifold
CHASSIS	<ul style="list-style-type: none"> • 20-ton walking beam undercarriage • 4 x 800/65R32 flotation tires with fenders
HYDRAULIC REQUIREMENT	<ul style="list-style-type: none"> • Tractor supplies • 30 gpm @ 2800 psi min • Case drain for fan • 3 hydraulic remotes
EXTRA OPTIONS	<ul style="list-style-type: none"> • Digi-Star Scale Link • Integrated ISOBUS scale kit (for ISOBUS displays) • ISOBUS controls for left hand/right hand on/off section control for use with third party ISOBUS cab consoles, utilizing prescription mapping (i.e. John Deere 2630™, Case IH Pro 700™, Raven Viper 4+, etc.) • *Does not include cab display

VALMAR 8700 PULL-TYPE AIR BOOM



HIGH-SPEED, HIGH-ACREAGE, HIGH-ACCURACY **APPLICATOR**

Either 72 feet of swath, or 60 feet of row crop application, capable of delivering up to 1000 lbs/acre of 60 lb product at 8 mph. The highly accurate Venturi metering system is simple to calibrate and easy to operate allowing anyone to take to the field with the 8700. An optional secondary hopper compartment and secondary metering allows for the application of lower rate herbicides and micronutrients alongside your granular fertilizer. The 8700 is capable of variable rate application and left / right section control. Optional ISOBUS compatible ECU options allow the 8700 to follow prescription maps from many leading terminals.

HYDRAULIC REQUIREMENTS

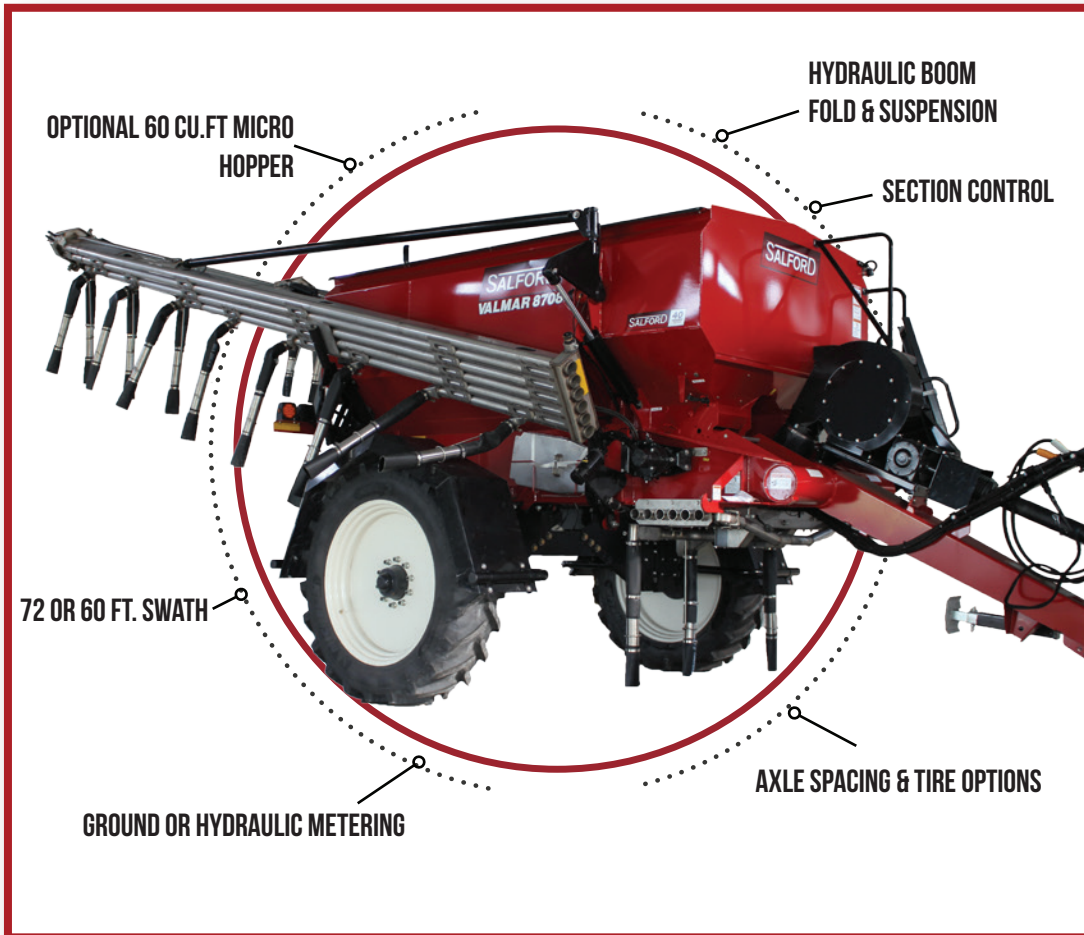
GROUND DRIVE

- Minimum pressure required: 2800-2900 psi - 21 gpm
- 6 remotes required for PTO fan (7 for hydraulic fan)
 - 1 set of boom folding and unfolding
 - 1 set of shut off of RH fertilizer metering
 - 1 set for shut off of LH fertilizer metering
 - 1 set for LH boom suspension
 - 1 set for RH boom suspension
- **Joystick option:** 3 remotes required for PTO fan (4 for hydraulic fan)

HYDRAULIC DRIVE

- Minimum pressure required: 2800 - 2900 psi - 30 gpm
- 4 remotes required for PTO fan (5 for hydraulic fan)*
 - 1 set for boom folding and unfolding
 - 1 set for metering (chain drive hydraulics)
 - 1 set for LH boom suspension
 - 1 set for RH boom suspension
 - 1 set for hydraulic fan
- **Joystick option:** 2 remotes required for PTO fan (3 for hydraulic fan)

8700



HOPPER

- 8708 - 8 ton / 260 cubic foot (60 ft. row crop only)
- 8711 - 11 ton / 357 cubic foot (72 ft. only)
- Secondary hopper split & 60 cubic foot secondary metering drive optional
- 409 stainless steel painted
- Hopper screen
- Roll tarp installed

BOOMS

- 72-foot spread width(8711 only) or 60 foot (8708 only) row crop boom with 30 inch on center outlets
- Fully hydraulic folding, including boom tips
- Updated suspension with stability at high speeds, and hydraulically controlled pitch adjustment for uneven grounds
- 304 stainless steel construction
- Breakaway tips
- 3-inch diameter tubes (6 per side)
- 25 outlets
- Optional drop tube kit for 60-foot boom, with fenders

PRIMARY METERING

- (2) 14 inch, 304 stainless steel conveyor chains
- Maximum rates 1000 lbs/acre at 8 mph
- Ground Drive Metering available on 8708
- Hydraulic Drive Metering
- ISOBUS section control kit*
- Independently driven hydraulic left and right hand main metering. For use with 3rd party ISOBUS cab consoles utilizing prescription mapping (i.e. John Deere 2630™, Case IH Pro 700™, etc.)

SECONDARY METERING

- (2) 14-inch, 28 groove metering rollers
- HYDRAULIC DRIVE
- Single motor drive hydraulic metering kit with electric clutches for left hand right hand on/off.

CHASSIS

- 72 to 88-inch adjustable axle
- Optional 120-inch axle (standard with 60 foot boom)
- Optional Digi-Star scale kit

FAN

- 17 inch impeller operates at 4700 RPM
- Requires 21 GPM operating at 2800 PSI
- PTO fan drive
- 1000 RPM CV, 1 3/8 or 1 3/4 inch 21 spline drive line
- Optional hydraulic fan drive
- 16 CC motor, direct drive

EXTRA OPTIONS

- 8708- 750/65R26 R1 Floatation
- 8708- 380/80R38 Row Crop
- 8711- 800/65R32 R1 Floatation
- 8711- 380/90R46 173D Row Crop
- Fasse Joystick Control

VALMAR 8600 PULL-TYPE AIR BOOM



HIGH-CAPACITY, HIGH-RATE, HIGH-SPEED **APPLICATOR**

Equipped with the highly precise Venturi metering system, the 8600 is capable of delivering up to 1000 lbs/acre of 60lb product while traveling at 8 mph. It offers a choice between a 72-foot swath or a 60-foot row crop application, providing flexibility to suit varying field requirements. The metering system is straightforward to calibrate and operate, enabling anyone to use the 8600 with ease.

The 8600 has left/right section control that can be operated manually or automatically with prescription maps when equipped with hydraulic variable rate metering and ISOBUS controller.

HYDRAULIC REQUIREMENTS

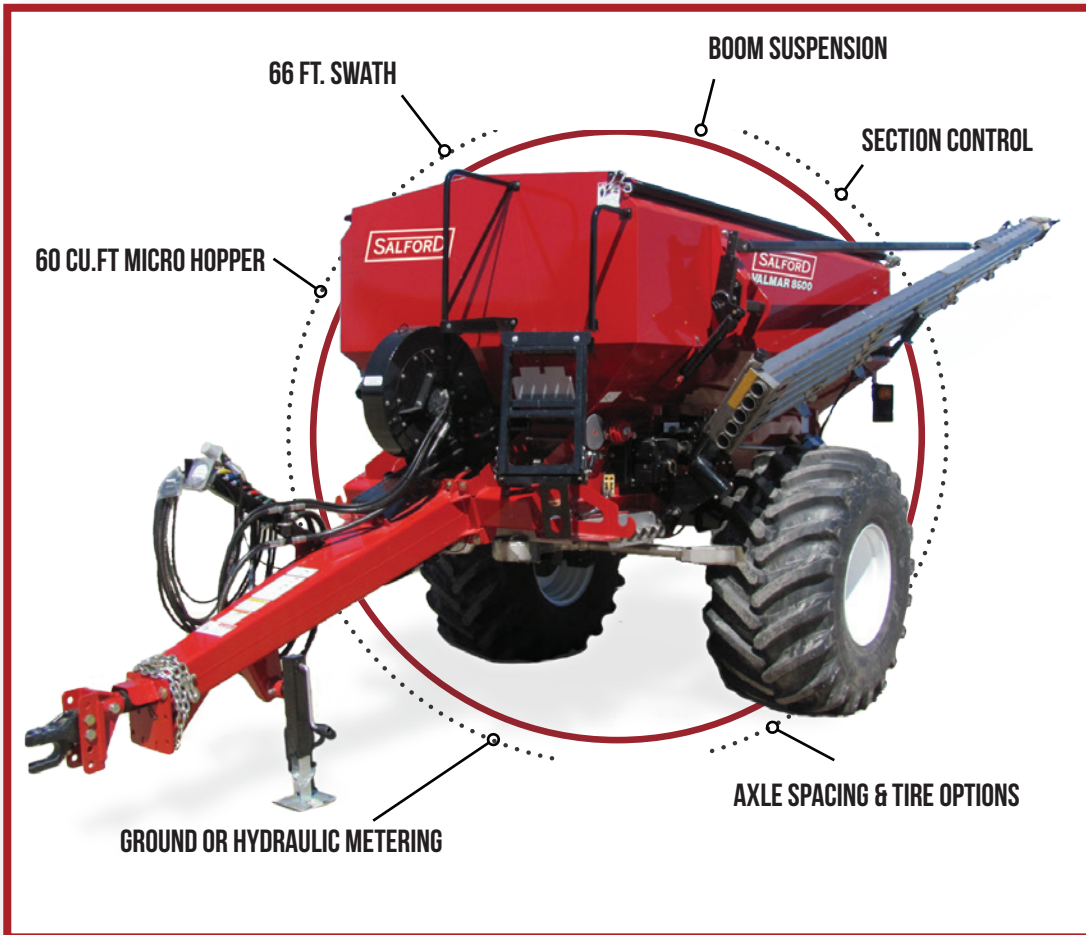
GROUND DRIVE

- Minimum pressure required: 2800-2900 psi - 21 gpm
- 4 remotes required for PTO fan (5 for hydraulic fan)
 - 1 set of boom folding and unfolding
 - 1 set of shut off of RH fertilizer metering
 - 1 set for shut off of LH fertilizer metering
 - 1 set for wheel drive engagement (1 set for hydraulic fan)

HYDRAULIC DRIVE

- Minimum pressure required: 2800 - 2900 psi - 30 gpm
- 2 remotes required for PTO fan (3 for hydraulic fan)
 - 1 set for boom folding and unfolding
 - 1 set for metering (chain drive hydraulics)
 - 1 set for hydraulic fan

8600



HOPPER

- 8608 - 8 ton / 260 cubic foot
- 8611 - 11 ton / 357 cubic foot
- Secondary 60 cubic foot hopper partition and secondary metering drive optional
- 409 stainless steel painted
- Hopper screen
- Roll tarp installed

BOOMS

- 66-foot spread width
- Rubber torsion boom suspension and shock absorber
- 304 stainless steel construction
- Breakaway tips

PRIMARY METERING

- Twin 12-inch, 304 stainless steel mesh conveyor chains
- Maximum rates 1000 lbs/acre at 8 mph
- GROUND DRIVE (Standard)
- Hydraulically engaged metering and mechanical clutch for half shut-off on right hand or left hand
- Oil bath metering drive gear box with 30 settings and 2 speed gear ratio for 60 settings at 5% increments
- HYDRAULIC DRIVE METERING (Optional)
- ISOBUS section control kit* hydraulic left and right hand main metering. For use with 3rd party ISOBUS cab consoles utilizing prescription mapping

SECONDARY METERING

- Twin 12-inch, 28 groove metering rollers
- GROUND DRIVE
- 60 speed metering gearbox with 5% between settings
- In-cab electric clutch control with 1/2 shut off on either side
- HYDRAULIC DRIVE
- Single motor drive hydraulic metering kit with electric clutches for left hand/right hand on/off

CHASSIS

- 72 to 88-inch adjustable axle
- Single axle with 10 bolt hub
- 8608 - 14.9-inch 380/85 R38
- 8608 - 28L-26 R3, 750/65 R1
- 8611 - 800/65 R32 tire
- 8611 - 380/90 R46
- Optional Digi-Star scale kit

FAN

- 17-inch impeller
- PTO fan drive
- 1000 RPM CV, 1³/₈ or 1³/₄-inch. 21 spline drive line
- Optional hydraulic fan drive
- Requires 21 GPM operating at 2800 PSI
- 3/4-inch hydraulic lines
- 1/2-inch couplers and 3/4 inch high flow couplers included
- Case drain required

VALMAR 5500 PULL-TYPE AIR BOOM



DURABLE & EASY OPERATION

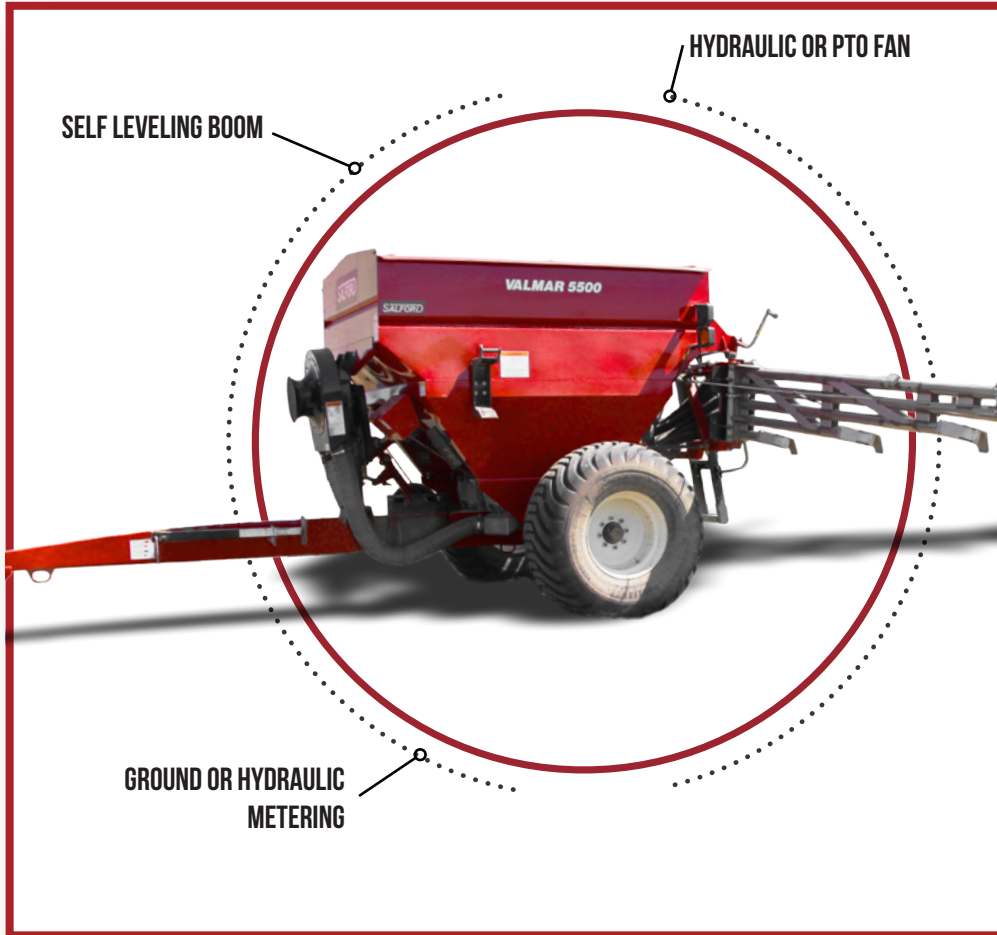
Salford's Valmar 5500, granular, air boom applicators are durable and simple to operate. The stainless-steel hopper and components ensure years of low maintenance operation. The metering system, is easy to calibrate and has a wide range of adjustment to meet herbicide or fertilizer application goals. The self-leveling booms provide consistent product distribution in varying terrain for the most accurate application.

The 5500 has left/right metering sections for manual left/right section control to minimize application into sensitive areas and reduce product waste through over application.

UNIQUE FEATURES

- 40-foot application width for high rate product output
- 409 stainless steel, painted, hopper and 304 stainless steel metering and air boom components for years of low maintenance operation
- Simple calibration and metering adjustment for ease of use in the field
- Ground driven machines have 60 speed gearbox with adjustments in 5% increments to match a wide range of fertilizer or herbicide application rate
- Self-leveling boom for accurate application in rolling terrain
- Manual left/right section control

5500



HOPPER

- 167 cubic feet
- 409 stainless steel, painted
- Hopper bottom shut-off slide panels
- Roll tarp installed

BOOMS

- 40 ft. application width - 304 stainless steel construction
- Self-leveling boom with breakaway boom tips
- 2.5-inch diameter tubes with 6 deflectors per side
- Manual fold

METERING SYSTEM

- 304 Stainless metering bottoms with pegged rollers and brushes
- Manual half width shut-off on either side
- Rates up to 500 lbs./acre at 5 MPH down to 5 lbs./acre with optional small seed and herbicide kit
- GROUND DRIVE Hydraulically engaged
- 60-speed gear box with 5% between settings

CHASSIS

- Tandem walking beam
- Adjustable axle width with available tires:
16.5L x 16.1 (81-99 in. on center of tire) or 9.00 x 20 (72-90 in. on center of tire)
- Single axle 550/60-22.5 tires/12 ply at 90 in. center to center

FAN

- 20-inch impeller with dual outlets
- PTO fan drive
- 1000 RPM CV drive line, 1³/₈ inch – 21T spline
- Optional hydraulic fan drive
 - Requires 23 GPM operating at 1885 PSI
 - 3/4 inch hydraulic lines
 - Case drain required

EXTRA OPTIONS

Herbicide kit includes 1 set of 28 groove metering rollers and fan intake reducer for metering finer products and lower rates

VALMAR 246 PULL-TYPE APPLICATOR



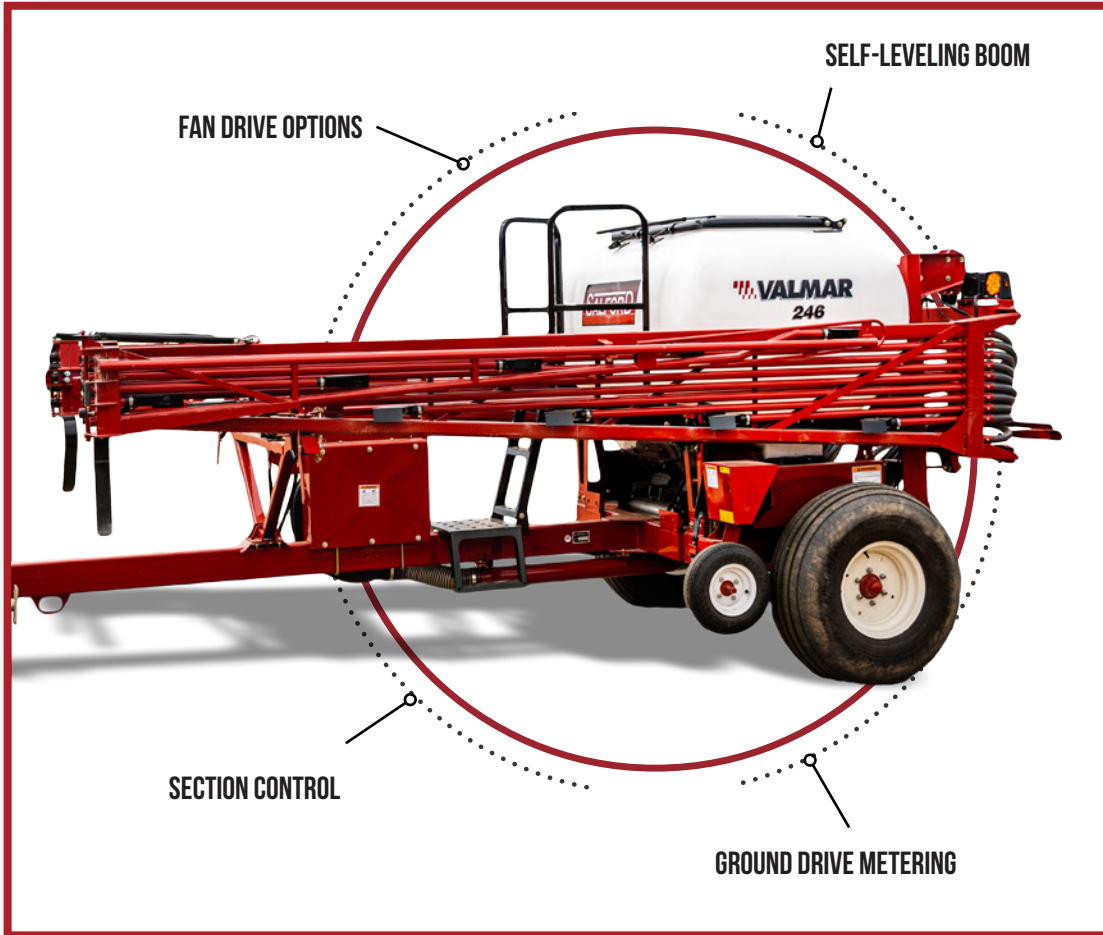
IDEAL FOR GRANULAR APPLICATION

Salford's Valmar air boom applicators gently and accurately handle seed, fertilizer and other granular like herbicides. Their rugged construction is sturdy enough to withstand the rigors of commercial use, making it the right choice for a rental fleet, custom applicator, or a farm operation. Moreover, the 246 model incorporate a number of innovative features designed to make material application easier, safer and more precise than ever before.

These models' simple calibration ensures proper flow rates, especially when determining the setting for new products, seeds or seed mixtures.

UNIQUE FEATURES

- Top speed at 20 mph.
- 60 ft. application width
- Optional gas drive allows for use with pickup trucks
- Highly accurate Valmar Venturi metering
- Simple calibration and clean out for use with multiple products
- Self-leveling booms
- 60-speed ground drive with adjustment in 5% increments



246

HOPPER	<ul style="list-style-type: none"> • 60 cubic feet • Polyurethane tank • Weathertight lid • Product level sight gauge • Hopper bottom shut-off gates
BOOMS	<ul style="list-style-type: none"> • 60-foot spread, breakaway tips • Self-leveling • Manual fold
METERING SYSTEM	<ul style="list-style-type: none"> • Ground driven • Manual 4-section shut-off • Stainless steel meeting • In-cab electric clutch control and air manifold monitor • 60 speed gearbox with 5% between settings • Air manifold and Venturi system drop for easy cleaning
CHASSIS	<ul style="list-style-type: none"> • 7000 lb rubber torsion axle • 14L - 16.1 8 Ply Implement tires • 6 bolt hubs
FAN	<ul style="list-style-type: none"> • Hydraulic drive: 11.5 GPM – hydraulic lines to hitch included • 18-inch impeller
EXTRA OPTIONS	<ul style="list-style-type: none"> • 12 groove roller assemblies for coarse material • Agitator kit • 9 HP gas engine fan drive • ISO Hydraulic metering

VALMAR 56 SERIES



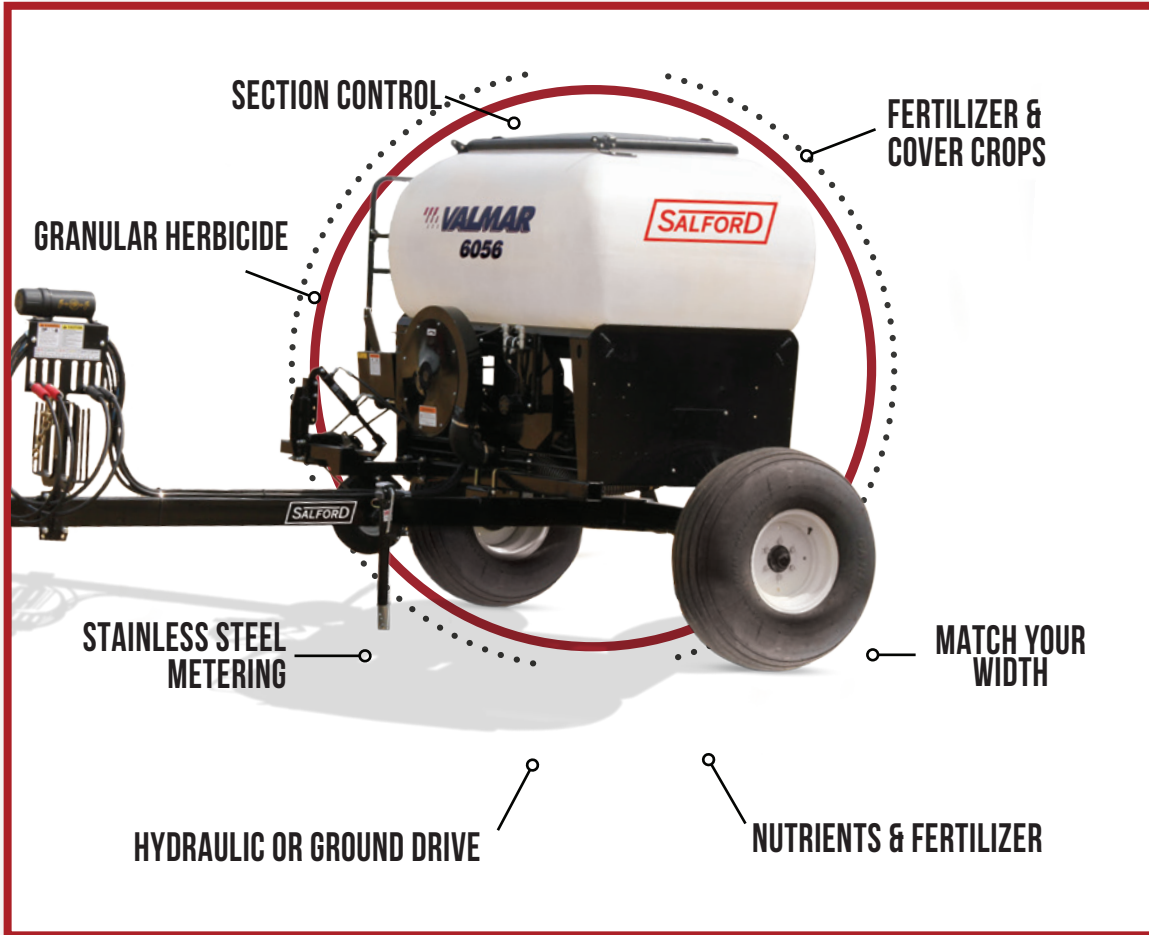
THE MOST VERSATILE MACHINE FOR **GRANULAR APPLICATION**

Salford's Valmar granular applicators can be paired with virtually any implement between 16-feet and 90-feet. New mounting options for the Valmar 56 Series applicators include a pull-type cart and 3-point hitch mount. These new options make the applicators even easier to fill and calibrate while keeping the applicator lower to the ground for safer operation.

The highly accurate Valmar metering system is proven as a gentle delivery method for seed, fertilizer or herbicide. The 56 Series can be equipped with hydraulic drive or ground drive systems. Valmar implement mount applicators are ideally suited for granular herbicide application to battle herbicide resistant weeds.

UNIQUE FEATURES

- Poly tanks and stainless steel metering to boost fertilizer application capacity for planters and other implements
- Pair with any implement - Unit mount, pull-type or 3-point mount
- Capacity and metering options to fit implements from 16 to 90 feet wide
- ISOBUS compatible and optional hydraulic drive available
- Ground driven meter has 60 speed gearbox capable of changing rates in 5% increments



	4056	6056
CAPACITY	40 cu.ft.	60 cu.ft.
OUTLETS	16	24 or 32
APPLICATION WIDTH	24 - 60 ft.	32 - 90 ft.
HYDRAULIC FAN DRIVE	8 gpm	8 gpm
HOPPER	<ul style="list-style-type: none"> • Weathertight lid • Hopper bottom shut-off slide gates 	
METERING SYSTEM	<ul style="list-style-type: none"> • Air manifold and venturi system disengage for easy cleaning • Manual half shut off on either side • 28 groove plastic fluted metering rollers OR 12 groove available for more coarse material or higher rates • 4056 and 6056 come standard with stainless steel metering 	
HYDRAULIC DRIVE OPTION	<ul style="list-style-type: none"> • Hydraulic metering, motor only • Hydraulic metering, Rate Control Ready. Includes motor, flow control valve, meter encoder, fan speed and bin level sensors. Does not include ECU, harness or cab display. • Hydraulic metering, with granular rate control. Includes motor, ISOBUS compatible ECU* and harness, flow control valve, meter encoder, fan speed and bin level sensors. Does not include display. 	
GROUND DRIVE OPTION	<ul style="list-style-type: none"> • 60 speed gearbox with 5% between settings • In-cab electric clutch control and air manifold monitor • Optional hydraulic engage/disengage 	
EXTRA OPTIONS	<ul style="list-style-type: none"> • 12 groove meter roller assemblies for coarse material • Outlet blocker kits and line splitters to match a specific number of required runs in special mounting situations • Agitator kits • Delivery hose quick coupler kits • 1.25-inch ID flexible PVC hose • Broadcast deflectors mount individually to the implement frame • Air diffusers for in-row application 	

56 SERIES MOUNTED OPTIONS



INTEGRATION SIMPLICITY

56 series is compatible with virtually any implement with the 3-point hitch mount and the tow behind cart which eliminates implement specific mounting brackets and hardware. Providing a turn-key solution for simple setup and operation.

MORE ERGONOMIC

The 56 series platforms are designed with operators in mind and improve access to the hopper. Operators are able to fill and calibrate the Valmar applicator without having to climb over the implement's frame.

GROUND DRIVEN OR HYDRAULIC DRIVE

56 Series mounting options are complete with hydraulic and electrical hookups both compatible with hydraulic drive or ground driven metering making these units almost universal.

CHOOSE YOUR IMPLEMENT

The 3-point hitch mount uses an integrated draw-bar rated for 350 hp. A heavier duty, 600 hp rated version is also available on request. Hitch and unhitch with ease on various implements, allowing the Valmar 56 series granular applicators compatible with multiple implements on the same farm. All hydraulic and electrical hook-ups are transferred to the rear of the unit. Switch between applying starter fertilizer with your planter to seeding cover crops with ease.

EASE OF OPERATION

Platform on applicator provides easy access to the hopper with a ladder that folds away during operation. The 3-point applicator box also has integrated stands for storage or easy hook up and dismount from the tractor linkage.

MOUNTING SYSTEM SPECIFICATIONS

56 SERIES MOUNTING SYSTEM		3-POINT HITCH MOUNTING SYSTEM		PULL-TYPE MOUNTING SYSTEM	
Hydraulic Remotes	Two sets of hoses standard, additional hydraulic lines available	350 HP Rating	Front 3-point Hitch: CAT 2/3 hitch Rear Implement Hitch: Single or double CAT 3 hitch	Pull-Type Tires	14L – 16.1 tires w/6-bolt rims
Metering Drive	Ground Driven or Hydraulic Metering Drive Hydraulic engage/disengage kit for ground drive	600 HP Rating	Front 3-point Hitch: CAT 3/4 hitch Rear Implement Hitch: CAT 4 hitch		

COVER CROPS

- 1 IMPROVE YIELDS WITH SOIL HEALTH ENHANCEMENT**

The roots from cover crops improve soil tilth and decomposing plant material increases soil organic matter. Specific cover crops like brassica produce a large, deep root that can generate pressure up to 240 pounds per square inch to break up compacted soil. Living cover crops interact with soil biology to create aggregates that build soil structure. This improves soil permeability, aeration, water infiltration, holding capacity, ease of crop emergence and root growth.
- 2 CUT FERTILIZER COSTS**

Prevent runoff of nutrients like nitrogen and phosphorus while contributing to the overall soil fertility with returning fixed nutrients to the soil as they decompose. Nitrogen fixing cover crops provide exceptional benefits to commercial crops like corn, and can be inter-seeded between established rows to add atmospheric nitrogen to the soil in season.
- 3 BETTER WEED CONTROL**

Improve herbicide effectiveness by out competing weeds for light, moisture, nutrients and space. Cover crop mulch covers the ground, and decomposes while commercial crop establishes itself. Providing an effective smothering of weeds attempting to grow between the seed rows. Various cover crop varieties also release compounds that will chemically inhibit weed growth that will lead to increased yields.
- 4 PREVENT SOIL EROSION AND IMPROVED WATER QUALITY**

Providing ground cover, cover crops provide a natural barrier to wind and water erosion. The standing cover crop shields the soil from the impact of rain drops while the crop's root systems anchor the soil to prevent wind and water erosion. Keeping soil in place while fixing nutrients and organic matter contained in the soil.
- 5 CONSERVE SOIL MOISTURE**

Rotated cover crops or inter-seeded cover crop will help the soil hold more moisture preventing water runoff. Through increasing the soil's moisture storage capacity, you will improve soil structures while adding organic matter, and reducing moisture evaporation by providing shade to the soil surface.



FERTI-GO 4S

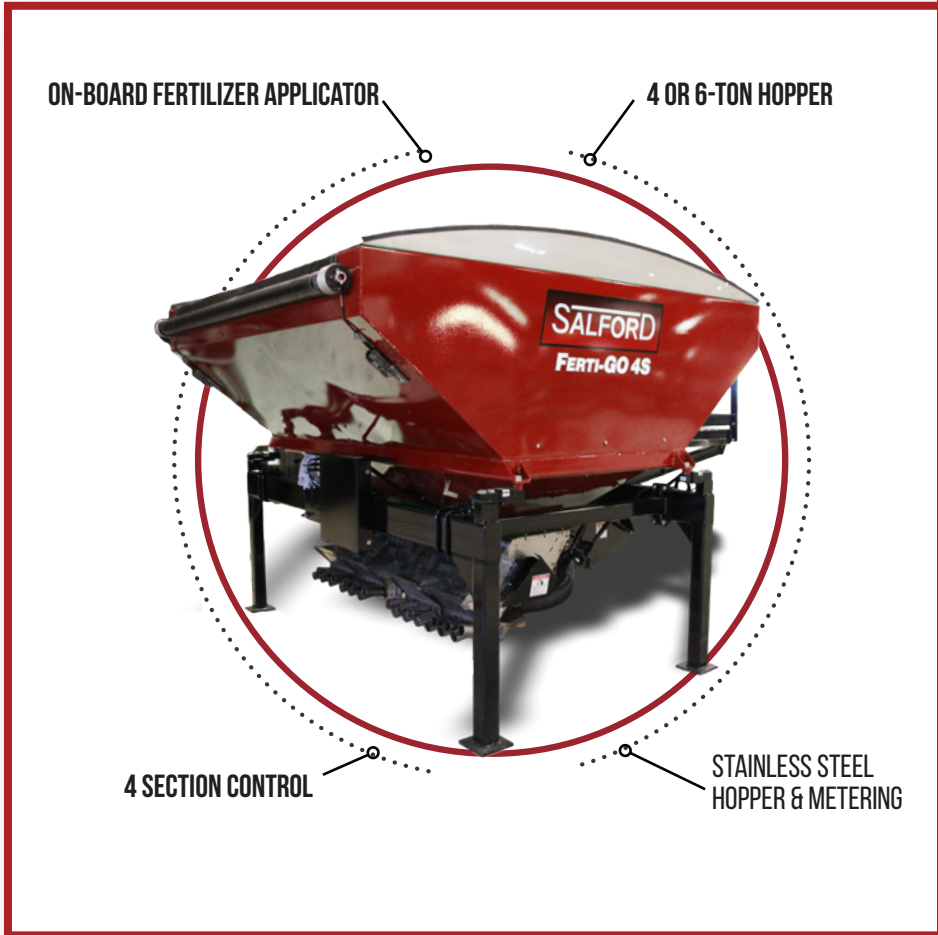


ACCURACY & HIGH-CAPACITY

The FERTI-GO 4S offers accurate, high-capacity dry fertilizer application for mounting on select planters. It features a single product hopper, available for mount on many planter models, with variable rate metering and 4 section control. The hopper has a standard capacity of 4 tons, with the ability to reach a capacity of 6 tons with optional hopper extensions. The metering system of the FERTI-GO 4S is currently featured on the ST Series and other Salford's Valmar products, paired with the Venturi Air Manifold System, is known for its accuracy, ease-of-use, simple cleaning, and range of application rate abilities.

UNIQUE FEATURES

- Available for mount on many planter models
- Variable rate metering and 4 section control
- Electric roll tarp for simplified tendering
- Planter mount allows for ease-of-maneuverability for in field and road transport
- Standard 4-ton capacity with ability to reach 6 tons with optional hopper extensions
- Rate control ready with metering, fan speed sensors, PWM flow control and bin-level sensing
- Optional ISOBUS compatibility to follow prescription maps



FERTI-GO 4S

- HOPPER
 - ISOBUS compatibility available
 - Standard: 4 ton
 - Optional: 6 ton with optional extensions
 - 409 stainless steel, painted
 - Internal hopper screen
 - Spring loaded hopper shut-off gates for fast metering and product changes
 - Roll tarp cover
 - Scales - optional equipment
- METERING SYSTEM
 - ISOBUS compatible variable rate application
 - 4 section control
 - Ability to match 12, 16, 18*, 20, 24 row planters
 - *Airline splitters available for use with 36+ row planters
 - Single fan output - up to 200 lbs/acre @ 6 mph on 24 rows
 - Dual fan output* - up to 400 lbs/acre @ 6 mph on 24 rows
 - *Optional equipment
- HYDRAULIC REQUIREMENT
 - 12-20 outlets, 21 GPM @ 2800 PSI, 2 remotes
 - 24+ outlets, 38 GPM @ 2800 PSI, 3 remotes
- EXTRA OPTIONS
 - Ladder and platform included
 - Hopper extensions available for added capacity (bringing capacity from standard 4 tons to 6 tons)
 - Weigh scales available
 - Hopper mounting kits

*Ferti-GO 4S is not compatible with all planters or tractor hydraulics. Owner may be responsible for additional fabrication to adapt the optional mounting brackets to some planters. ISOBUS features may not be compatible with all virtual terminals. Some features may require a terminal unlock. Consult your dealer or planter manufacturer to ensure your planter frame has the capacity to handle the weight of the loaded applicator. Be sure to study and/or consult an agronomist to ensure fertilizer rates and placement will not damage your crop. Consult your dealer or contact Salford Group.

ST-4 & ST-6

HIGH-CAPACITY APPLICATION

1

ST-4 & ST-6 GRANULAR APPLICATOR

ST-4 is a single tank applicator for mounting on other implements. The 120-cu.ft. (4 ton) hopper works for lower rate products such as granular herbicide or cover crops. ST-6 is a single tank applicator designed for mounting on the Salford PathFinder or for direct mounting on other implements.

2

VARIABLE RATE & SECTION CONTROL

ST applicators are equipped with hydraulically driven metering and can be used for variable rate application. ST applicators are capable of 2 or 4 section control.

3

NUTRIENTS & FERTILIZER

Supplement application with micronutrients using the standard stainless metering with high density polyurethane tank for fertilizer.

4

SEED & COVER CROPS

Valmar applicators are gentle and accurate enough to be used for seeding cover crops or low rate crops like canola.

5

GRANULAR HERBICIDE

Direct mount ST applicators on equipment such as heavy harrow bars to apply granular herbicide. The units highly accurate meters are recommended for this fine material.

6

HYDRAULIC DRIVE WITH ISOBUS COMPATIBILITY

ST-Series applicators use hydraulically driven systems. Factory optional ECU's allow for simple straight rate application or ISOBUS compatible variable rate application.

7

SECTION CONTROL READY

ST-Series models are capable of ISOBUS compatible section control. The ST-4 and ST-6 can run one, two or four sections for the most accurate, cost-effective application.

8

SIMPLE AND ACCURATE METERING

The ST-Series uses highly accurate, simple, roller metering to deliver product evenly into the separate Venturi air lines, delivering precisely how much product you need. Meters are designed to stay clean and are simple to change.

9

ROLLER METERING

ST-Series applicators use peg roller meters, which excel at metering fertilizer, seed or herbicide. Compared to auger metering these rollers offer greater accuracy, are less susceptible to plugging, are easier to change and do not grind product. Peg rollers are equipped with brushes for self-cleaning. Low-rate rollers available for application of cover crop and micronutrients

10

MATCH YOUR WORKING WIDTH

ST-Series applicators can be fitted with 8, 12, 16, 18, 20 and 24 metering runs and the primary air delivery lines can be split downstream to deliver up to 48 rows of product.





	ST-4	ST-6
HOPPER CAPACITY	<ul style="list-style-type: none"> • 120 cu. ft. • 4 tons 	<ul style="list-style-type: none"> • 185 cu. ft • 6 tons
TANK	<ul style="list-style-type: none"> • Single compartment 	<ul style="list-style-type: none"> • Single compartment
TANK MATERIAL	<ul style="list-style-type: none"> • High Density Polyethylene 	
METERING	<ul style="list-style-type: none"> • Up to four sections (Hydraulic motors per section) 	
TANK FEATURES	<ul style="list-style-type: none"> • Air Manifold gauge • Hopper Screen • Ladder and platform assembly 	
AIR MANIFOLD	8, 12, 16, 18, 20 and 24 Outlet manifolds (choose at the time of ordering)	
METER	<ul style="list-style-type: none"> • Plastic peg meter rollers with brush for self-cleaning • Manual hopper bottom shut-off slide gates • PWM Valve • Meter encoder, Fan speed sensor, Bin level sensor • Low-rate rollers available 	
IMPLEMENT MOUNTING	<ul style="list-style-type: none"> • Skid mounting available - contact dealer for details 	
FAN	<ul style="list-style-type: none"> • Hydraulic fan drive Options • Air line splitters Hydraulic Requirements Optional Control Packages and Scales • High output fan option for high rates, swaths, or ground speeds • Second fan standard on 24 row models 	
HYDRAULIC REQUIREMENTS	<ul style="list-style-type: none"> • Single Fan (8-20 outlets) 21 gpm @ 2800 psi • Dual Fan (24 outlets or high output) 38 gpm @ 2800 psi • Case drain required • Hoses to tractor not included 	
OPTIONS	<ul style="list-style-type: none"> • Air line splitters Hydraulic Requirements Optional Control Packages and Scales • High output fan option- high rates, swaths, or ground speeds • Second fan standard on 24 row models • Low rate peg meter rollers • Deflector kit for broadcast application • Air diffusers for in-row application • PVC flexible air hose ISOBUS Controls* (includes ECU and harness) • Digi-Star Scale Kit (includes one cab display) or available as ISOBUS 	

For use with 3rd party ISOBUS cab consoles utilizing prescription mapping (i.e. John Deere 2630™, Case IH Pro 700™, etc.) ISOBUS compliance does not guarantee compatibility with all functionality on 3rd party ISOBUS displays; Non-ISOBUS displays are not compatible with this controller. Always consult with the display manufacturer before purchase - Prescription mapping and/or auto section control may require software unlock. Ensure latest display firmware version is installed.

ST-10 & ST-12

HIGH CAPACITY APPLICATION

1

ST-10 & ST-12 GRANULAR APPLICATOR

The ST-10 is a two-tank applicator designed for mounting on the Salford PathFinder or for direct mounting on other implements.

The ST-12 is a two tank granular applicator designed for mounting on aftermarket carts or high capacity application implements.

2

VARIABLE RATE & SECTION CONTROL

ST applicators are equipped with hydraulically driven metering and can be used for variable rate application. ST applicators are capable of 2 or 4 section control.

3

NUTRIENTS & FERTILIZER

Supplement application with micro nutrients using the standard stainless metering with high density polyurethane tank for fertilizer.

4

SEED & COVER CROPS

Valmar applicators are gentle and accurate enough to be used for seeding cover crops or low rate crops like canola

5

TWO PRODUCT BLENDS

Two, independently metered tanks, are fed into one air stream. Each tank can follow variable rate prescriptions. The result is a more accurate product blend.

6

HYDRAULIC DRIVE WITH ISOBUS COMPATIBILITY

ST-Series applicators use hydraulically driven systems. Factory optional ECU's allow for simple straight rate application or ISOBUS compatible variable rate application.

7

SECTION CONTROL READY

ST-Series models are capable of ISOBUS compatible section control. The ST-4 and ST-6 can run one, two or four sections for the most accurate, cost-effective application.

8

SIMPLE ACCURATE METERING

The ST-Series uses highly accurate, simple, roller metering to deliver product evenly into the separate Venturi air lines, delivering precisely how much product you need. Meters are designed to stay clean and are simple to change.

9

ROLLER METERING

ST-Series applicators use peg roller meters, which excel at metering fertilizer, seed or herbicide. Compared to auger metering these rollers offer greater accuracy, are less susceptible to plugging, are easier to change and do not grind product. Peg rollers are equipped with brushes for self-cleaning. Low-rate rollers available for cover crop and micro nutrients

10

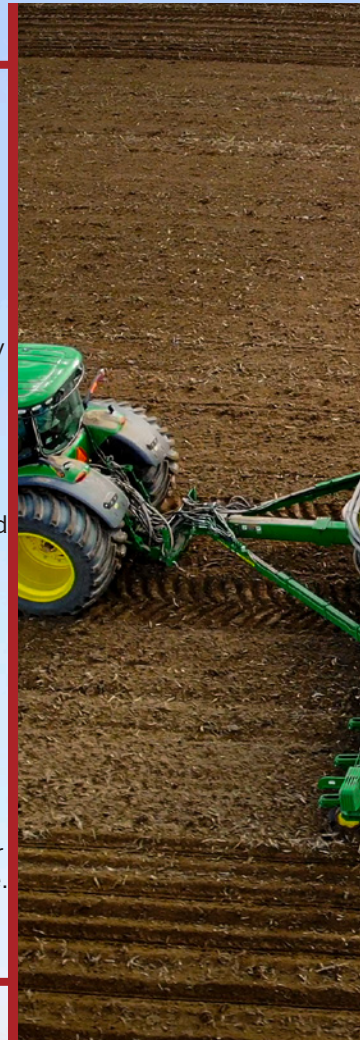
MATCH YOUR WORKING WIDTH

ST-Series applicators can be fitted with 8, 12, 16, 18, 20 and 24 metering runs and the primary air delivery lines can be split downstream to deliver up to 48 rows of product.

11

MORE ACCURATE FERTILIZER BLENDS

The ST-10 and ST-12 both have 2 separate tanks. ST-10 models can carry two separate commodities with their 60/40 split tanks, while ST-12 models can carry two separate commodities with their 50/50 split tanks. Blending is done right at the meter, rather than in the air line. This ensures the most accurate blend possible.





	ST-10	ST-12
HOPPER CAPACITY	<ul style="list-style-type: none"> • 305 cu. ft. (120/185 cu.ft) • 10 Tons (4/6 ton) 	<ul style="list-style-type: none"> • 370 cu.ft. (185/185 cu.ft.) • 12 tons (6/6 ton)
TANK	<ul style="list-style-type: none"> • Two compartment 	<ul style="list-style-type: none"> • Two compartment
TANK MATERIAL	<ul style="list-style-type: none"> • High Density Polyethylene 	
METERING	<ul style="list-style-type: none"> • Up to four sections (Hydraulic motors per section) 	
TANK FEATURES	<ul style="list-style-type: none"> • Air Manifold gauge • Hopper Screen 	
AIR MANIFOLD	<ul style="list-style-type: none"> • 8, 12, 16, 18, 20 and 24 Outlet manifolds (choose at the time of ordering) 	
METER	<ul style="list-style-type: none"> • Plastic peg meter rollers with brush for self-cleaning • Manual hopper bottom shut-off slide gates • PWM Valve • Meter encoder, Fan speed sensor, Bin level sensor • Low rate rollers available 	
IMPLEMENT MOUNTING	<ul style="list-style-type: none"> • Skid mounting available - contact dealer for details • *ST-10 does not come standard with mounting hardware. 	
FAN	<ul style="list-style-type: none"> • Hydraulic fan drive Options • High output fan option for high rates, swaths, or ground speeds • Second fan standard on 24 row models 	
HYDRAULIC REQUIREMENTS	<ul style="list-style-type: none"> • Single Fan (8-20 outlets) 21 gpm @ 2800 psi • Dual Fan (24 outlets or high output) 38 gpm @ 2800 psi • Case drain required • Hoses to tractor not included 	
OPTIONS	<ul style="list-style-type: none"> • Air line splitters • High output fan option- high rates, swaths, or ground speeds • Second fan standard on 24 row models • Low rate peg meter rollers • Deflector kit for broadcast application • Air diffusers for in-row application • Ladder and platform is optional on skid mount ST10 but is standard on PathFinder mount ST10 and all ST12 offerings • PVC flexible air hose • ISOBUS Controls* (includes ECU and harness) • Digi-Star Scale Kit (includes one cab display) or available as ISOBUS 	

For use with 3rd party ISOBUS cab consoles utilizing prescription mapping (i.e. John Deere 2630™, Case IH Pro 700™, etc.) ISOBUS compliance does not guarantee compatibility with all functionality on 3rd party ISOBUS displays; Non-ISOBUS displays are not compatible with this controller. Always consult with the display manufacturer before purchase - Prescription mapping and/or auto section control may require software unlock. Ensure latest display firmware version is installed.

VALMAR PATHFINDER SELF-STEERING CART



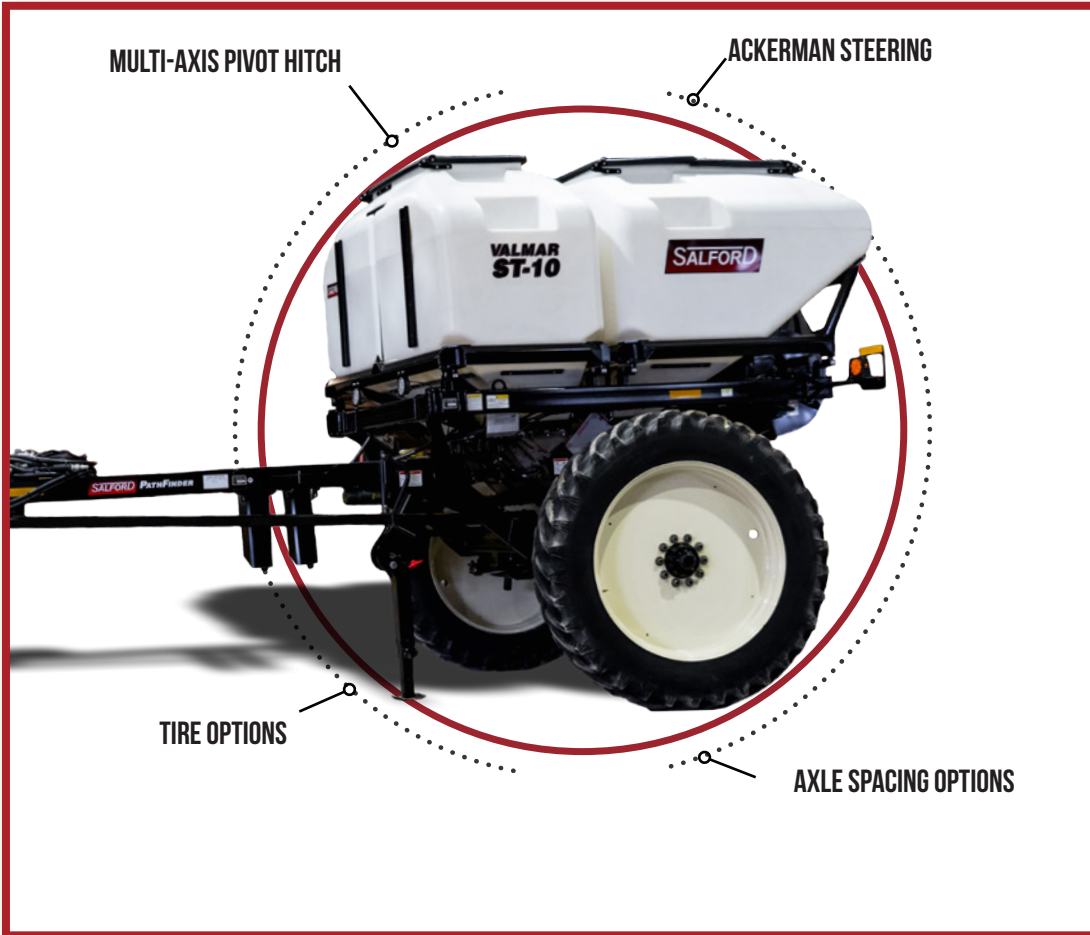
HIGH-CAPACITY & ACCURATE TRACKING

The PathFinder and ST-Series commodity metering system adds high capacity, multi-product, fertilizer delivery to tillage equipment, strip-till bars, side dress applicators and planters. The universal, multi-axis pivot hitch can be adapted to fit virtually any frame design. The PathFinder features a high-clearance axle for post emergence, inter-row application. The axle can be stubbed out to match various row-crop spacings.

Using the Ackerman steering principle, the PathFinder tracks more accurately behind implements. This steering principle reduces stress on the implement and cart while reducing the horsepower required to maneuver.

UNIQUE FEATURES

- Ackerman steering for accurate tracking and less horsepower required to maneuver
- High-clearance frame can be used for post emergence side dressing
- Double ball hitch for attaching to most implements
- Axle spacing options to fit row crop requirements
- Tow hitch available to pull anhydrous or other implements behind the PathFinder
- Rigid frame with 5-link steering improves side-hill tracking
- Patented 5-bar steering linkage uses Ackerman Principle



	ST-6	ST-10
CHASSIS	6 ton rated base cart	10 ton rated base cart
WHEEL HUB	10 bolt	10 bolt
STANDARD TIRE	380/90 R46 156A	380/90 R46 173D
OPTIONAL ROW CROP TIRE	-	480/80 R46 174A8
OPTIONAL FLOTATION TIRE	-	800/65 R32
AXLE SPACING OPTIONS	<ul style="list-style-type: none"> • 120 inches (20 inch, 30 inch rows) • 132 inches (22 inch rows) • 144 inches (36 inch rows) • 152 inches (38 inch rows) • 160 inches (40 inch rows) 	
STEERING	<ul style="list-style-type: none"> • Standard: Patented implement guided mechanical steering - 5-point mechanical tie-rod links 	
IMPLEMENT CONNECTION	<ul style="list-style-type: none"> • Highly adaptable multi-axis pivot hitch to fit virtually any leading implement* • Hitch adapter for some planter models available - contact dealer <p>*Special hitch options may be required</p>	
OPTIONS	<ul style="list-style-type: none"> • Tow hitch for anhydrous ammonia carts • Adapter hitch for pickups 	

VALMAR 1255



PULL-TYPE INTER-ROW BANDING FERTILIZER, SEEDS, HERBICIDES & INSECTICIDES

AIR MANIFOLD GAUGE

A Murphy gauge measures air manifold pressure using inches of water column. The gauge is connected to the in-cab control with warning light and buzzer to warn of insufficient air pressure, ensuring proper application.

MANIFOLD-VENTURI SYSTEM AND FUNNEL TRAY

The Venturi and manifold systems can be lowered by means of a quick release. Funnel trays are inserted for collection of product when calibrating or emptying the unit.

HOPPER BOTTOM SLIDE GATES

Manually operated slide gates stop product flow to the metering system allowing you to remove the roller for cleaning or servicing.

CALIBRATION HAND CRANK

To make calibrating a product as precise and easy as possible a hand-crank is provided to turn the metering system. The product can be collected by using the funnel trays and weighed for determining exact application rates.

IN-CAB CONTROL

The dual electric clutch control allows you to operate the metering system from the operator's seat. Two magnetic clutches and in-cab control allow half shut-off on either side.

1255

HOPPER	<ul style="list-style-type: none"> • 18 cubic feet • 409 stainless steel with 2 component urethane primer • 2 component urethane top coat paint • Weathertight lid & product level sight gauge
BOOMS	<ul style="list-style-type: none"> • Broadcast or inter-row banding boom • Self-leveling frame with 16-foot boom (extended to 20 or 24 ft. with optional 4 or 8 ft. extension kits) • (6) left hand and (6) right hand broadcast deflectors • 1.25-inch ID, PVC Hose • 2 stainless steel assemblies with 6 drop tubes • Telescoping to accommodate row spacing up to 10 ft. • Adjustable angle and height for different band application widths • 7 ft. non-folding broadcast boom with breakaways for inter row broadcasting with 12 drop tubes
METERING SYSTEM	<ul style="list-style-type: none"> • Ground driven • 28 groove rollers for fine granular and small seeds • 12 groove rollers for fertilizer and large seeds • In-cab electric clutch control and air manifold monitor • 60 speed gearbox with 5% between settings • Air manifold and venturi system drop for easy cleaning • Half-width shut-off on either side
CHASSIS	<ul style="list-style-type: none"> • 1500 lb. rubber torsion axle, Taillights, 5 bolt hubs, Safety chains, P265/50R15, Clevis type hitch
FAN	<ul style="list-style-type: none"> • 18 in. Impeller with 3 in. outlet • Operates at 3200-4000 RPM • Hydraulic fan drive— 2.2 CID motor requires 8 GPM; hydraulic lines to hitch included (customer supplied connectors); includes sheaves, belt, shields, flow control with check valve • Gas engine fan drive – 9 HP engine; comes with Cyclone Air Cleaner; includes centrifugal clutch, engine mount, sheaves, belt and shields
DIMENSIONS	<ul style="list-style-type: none"> • Height: 6 ft. Width: 6 ft. 10 in. • Length: 8 ft. 7 in. Weight: 1080 lbs.

VALMAR 456

GRANULAR FORAGE PRESERVATIVE

MAXIMIZE THE NUTRIENT VALUE & PROFITABILITY OF HAY

Adding a preservative to harvested forage improves its nutrient value, palatability for livestock, and enables harvesting at higher moisture levels.

Valmar's Forage Preservative Applicator is the most precise and user-friendly method for applying granular preservatives. Extensive research and field testing make it a dependable and efficient choice for forage harvesting.

MOUNTS EASILY TO MOST BALERS

Valmar's Universal Mounting Stand attaches easily to most balers and forage harvesters.

EFFICIENT AIR DRIVEN APPLICATION

Valmar's fan driven air delivery system distributes granules more evenly throughout the hay mass and offers more mounting location options than gravity-fed systems. The fan's electric drive connects to your tractor's 12V system and operates at 3600 RPM

EXTREMELY ACCURATE METERING

Valmar's four-outlet system, combined with a 12 or 28 groove plastic metering roller, precisely distributes granules at a rate of up to five pounds per minute through heavy-duty delivery hoses with rigid outlet tubes.

WEATHER TIGHT HOPPER

Valmar's weather-tight hopper with a 2.8 cubic foot capacity features a hopper bottom shut-off for easy access to metering rollers for cleaning. The hopper screen prevents foreign materials from entering.

CONVENIENT IN-CAB MONITORING & CONTROL

Valmar's convenient in-cab unit allows you to monitor and control all applicator operations. With its large, easy-to-read digital display, you can adjust the roller RPMs for complete control of metering, and an alarm sounds when there's a problem with the system



456

HOPPER

- Mild steel construction
- 2.8 cubic foot capacity – holds approximately 250 lbs.
- 2 component urethane primer and 2 component urethane top coat paint
- Hopper bottom shut off
- Fitted tarp is included
- Weathertight reversible lid

METERING SYSTEM

- 4 outlet manifold system
- Manifold is reversible for front or rear product delivery
- 12 Volt electric drive
- Manifold is easily removed for cleaning
- Both coarse and fine roller segments are included
- Meters up to 5 lbs/minute

IN-CAB CONTROL

- Both audible and digital alarms
- Operates and monitors fan and metering
- Digital read out shows metering roller RPM, low or high voltage, metering errors and warnings

FAN

- Operates at 3000-3600 RPM
- Plastic fan impeller
- 2.5-inch diameter fan outlet
- 12 Volt electric drive

DIMENSIONS

- Height: 28 inches
- Width: 22 inches
- Length: 23 inches
- Weight: 135 lbs



See our full line of products and find your local dealer at salfordgroup.com or call 1-866-442-1293


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SALFORD FIELD YOUR BEST.



ONTARIO, CANADA OSCEOLA, IOWA CORNELIA, GEORGIA ELIE, MANITOBA