



THE SUREFIRE WAY

We believe in looking beyond convention to be an innovating leader in a dynamic industry. Combined, our team brings more than 25 years of experience in equipment engineering, crop input application and customer service to your field. SureFire Ag is committed to helping you farm the way you want.

Upgrade Kits

Type 1- Automatic Control from Manual "Pressure and Speed"

Existing "pressure and speed" systems can be upgraded to the Commander automatic control system. This upgrade option removes the "guess work" from applying fertilizer. The SureFire Commander measures ground speed and flow, then adjusts pump speed to achieve the correct application rate.

This upgrade includes:

- The SureFire Commander
- The Accelerator with mag meter
- Pressure Monitoring and Notification
- Garmin GPS Speed Sensor
- Implement Work Switch

Type 2 - Metering Tube Manifold and Distribution System

To reduce problems with plugging at the point-of-orifice upgrade to a Metering Tube manifold and distribution system. Metering tube will increase the size of the orifice opening by nearly three times. The upgrade option does not include any pressuring monitoring or automatic rate control. Due to the importance of maintaining low pressure when applying Black Label products we recommend upgrading to a complete new system for greatest field reliability.

How to Order

SureFire Application and Control Experts (ACE) will use their knowledge and experience to create a custom configured system to meet your specific needs. Please complete and submit the questionnaire form found SureFireAg.com with the following information.

- Type of Implement (Planter, Strip-till, grain drill/air seeder, etc)
- Model of Implement
- Maximum and minimum application rates
- Operating speed (MPH)
- Tank locations (Implement, Tractor, Pull-behind)
- Sections
- Ground application method

A SureFire ACE will configure and quote your system, orders usually ship in 2-3 weeks.



9904 N. Hwy 25
Atwood, KS 67730
(866) 626-3670 Office
(785) 626-3614 Fax
surefireag.com



THE ACCELERATOR Complete Fertilizer Kit



Foward Farming

Get on the fast track with The Accelerator system featuring the SureFire Commander controller, Arag Ion Flow Meter, The Tower II Pump system, dual tube metering distribution and tank assembly. The Accelerator is ideal for low-volume, in-furrow starter or pop-up application and is designed for rugged agricultural applications.

SureFire has designed and field tested all-types of application systems; liquid fertilizer, anhydrous ammonia, herbicides, fungicides, and pesticides. If you need to apply it on your farm, SureFire will configure a system to meet your needs.

SureFire Mag Meter

Extreme accuracy and fewer problems make the mag meter an integral component of a SureFire System. The meter has no moving parts which means no wear or jams as is the case with traditional turbine-type flow meters. By measuring ions, the flow calibration is constant, eliminating the need for multiple calibration constants.

High Resolution- Most traditional turbine-type meters produce 75-200 pulses gallon. The Ion Flow Meter produces 1,000-22,000 pulses gallon, depending on meter size and capacity.

Accuracy- High resolution results in extreme accuracy, especially at low flow rates (less than 2 GPM)

Reliability- No moving parts eliminates wear and jamming/ sticking of the turbine.

Fertilizer Tank

Available in 55, 110 or 155 gallon size, the fertilizer tank is easily integrated into the Tower Pump System. The tank features a flush/ rinse water reservoir in the molded plastic tank base and comes with standard mounting brackets.

Tank, Base and Tower Dimensions in inches

Gallons	Length	Width	Height
55	48	32	36
110	75	32	36
150	75	32	46



SureFire Commander

The perfect compliment to The Accelerator, the Commander is a highly accurate, very compact automatic rate controller. You'll get all of the great performance of an Accelerator system, with the simplest controller and wiring harness in the industry. The Commander can control up to three section valves for manual section control in headland and overlap situations.

Black Label Products should not be applied above 25 PSI

A maximum pressure alarm-point is set in the Commander. When this pressure is exceeded a "High Pressure" alarm message appears.



Garmin GPS Speed Sensor

This pre-calibrated speed sensor requires no operator calibration procedure and is easily installed with an adhesive-backed metal plate and magnetic base. An implement mounted mercury work switch turns the pump off when the planter is raised.

Tower II Pump System

Tower systems are configured with 1 or 2 12-volt electric diaphragm pumps. The pumps are designed for rugged agricultural applications. Both the top and bottom of the motor housing are externally sealed to keep foreign materials out. Enclosed in the motor housing are two moisture-absorbent desiccant bags to absorb condensation moisture, thus reducing rusting of the brushes. Inlet valves are made of sataprene- a long wearing material suited for fertilizer. The Tower II mounts directly to the tank frames in The Accelerator system. When used alone a bar mount adapter is used to mount to the implement.



Max Application Rate

Rows (30")	1 Pump	2 Pumps
8 (20')	10	20
12 (30')	N/A	13
16 (40')	N/A	10
24 (60')	N/A	6

MANIFOLD AND DISTRIBUTION

Flow Indicators- This manifold provides visual indication of plugged rows. The manifolds are modular allowing for configuration to meet the plumbing and sectional needs of your implement. Mounting brackets and check valves are also included in manifold and distribution kits.

Metering Tube- Used in low volume applications with products that have a large amount of particulate in the solution. Metering tube provides a larger passage way diameter than a comparable orifice. For a 5 GPA rate on 30" rows, a size 0.046" orifice would be used. For the same rate a 0.110" meter tube that is 8' long would be used—a 2.4 times larger opening. The size of the opening combined with the length of tube creates the system back pressure in the metering tube system.

REAL RESULTS

"The systems were user friendly from installation to operation. Calibration was simple and easy as well. It only took 30-45 minutes after we calibrated to be running in the field. The service was great. I called and got my questions answered quickly."

Gerritt Thompson
CPS Roachdale, IN

