



The Anti-icing application system is designed to slide in-to medium and heavy duty dump trucks with an inside box width of 83" or greater. This system is available with tank capacities ranging from 735 gallons up to 3400 gallons, and come standard with a galvanized steel frame and glass filled polypropylene fittings for years of dependable use. The self-loading leg kit, Tank Tamer® system, and automatic rate controllers can all be added to make this a truly turn-key package.

Anti-Icing System

FEATURES

- **Extra Heavy Duty UV Stabilized Tank**
Able to accurately apply high specific gravity liquids
- **Optional Tank Baffling**
Improved vehicle stability with less material movement
- **Flanged Tank Fittings**
Fast and easy maintenance of worn or damaged fittings
- **Available 1, 2, or 3 Lane Stainless Spray Booms**
Perfect solution for mounting in compact areas
- **Hydraulic or Gas Driven Centrifugal Pump**
Pre-engineered mounting system fits the most popular truck boxes
- **Galvanized Steel Frame**
Ensures long service life with high use applications
- **Optional Electronic Flow Meter**
Accurately measures dispersed material with the use of a closed loop spreader control
- **Optional Self-Loading Legs**
Easier loading and unloading, providing an excellent means of off-season storage
- **Optional Automatic Rate Controllers**



3-lane Anti-Icing Unit with optional self-loading legs (shown)





With tank capacities up to 4035 gallons, the Trailer Mounted Anti-Icing System allows for longer route runs without the need to return for refilling, saving time and money. In addition, once anti-icing operations are completed the trailer can simply be unhooked allowing the truck to continue with salting and plowing operations as needed. The trailers can be built with many different options to accommodate equipment hauling during the offseason making this a year round piece of equipment.

Trailer Mounted Anti-Icing System

FEATURES

- **Rugged, Heavy-Duty Steel Trailer with 2" Decking**
Provides years of durable use no matter what the season
- **Customizable Hitches, Brakes, Axles, and Tilting Options**
Allows you to design the best trailer for your fleet
- **Tank Sizes Up to 4,035 Gallons**
Saves money by eliminating return trips to refill
- **Proven Hydraulic or Gas Engine Driven Closed Loop Power Units**
Built to withstand the harsh winter elements
- **Factory Installed Tank Tamer Upgrade**
Eliminates nearly all liquid surge when starting, stopping and cornering
- **Automatic Closed Loop Spreader Control**
Ensures precision application of your anti-icing liquid
- **Available with a 3-Lane Spray Bar Package**
Maximizes coverage during long anti-icing runs
- **UV Stabilized Polyethylene Tank**
Capable of hauling liquids with a specific gravity of up to 1.9





MT403V-11

The MT403V-II Electronic Control System is an electronic control system that can help you operate more cost-effectively by providing the information you need to maintain optimal application rates of liquid de-icer and anti-icing chemicals.

FEATURES

- **Four Operating Modes**
English or metric units provide ease of use for various applications including; highway maintenance, roadside spraying, dust control, airport maintenance and turf maintenance
- **Selectable Servo Drive Options**
Standard +/- DC servo or Pulse Width Modulation (PWM)
- **Extensive Downloadable Data List**
Three data sets include volume, area, distance, average/highest velocity, and start time/date stamps
- **Blast Switch**
Allows pre-settable, high-rate, timed application of product on bridge decks, intersections, etc. The blast can also be initiated by optional external switch or optional wireless remote
- **Keylock Switch**
Supervisor lockout switch prevents unauthorized changes to calibration settings or data counters
- **Built-In Alarm Messages**
Automatic notification if speed or flow signal is lost or the tank level is low
- **Built-In Audible Alarm**
Alerts operator to rate errors +/- 10%, low tank level or empty tank (if using optional tank switch)
- **Emergency Stop**
Automatically shuts down operation if flow signal is lost
- **Push Button Controls**
- **Out-of-Range Warning Light**
- **High Contrast Liquid Display**
- **Heavy-Duty Rotary Switch**
- **Closed and Open Loop Operation**
- **Precise Rate Control**
- **Ability To Compensate for Ground Speed Changes**
- **Vehicle ID Settings**



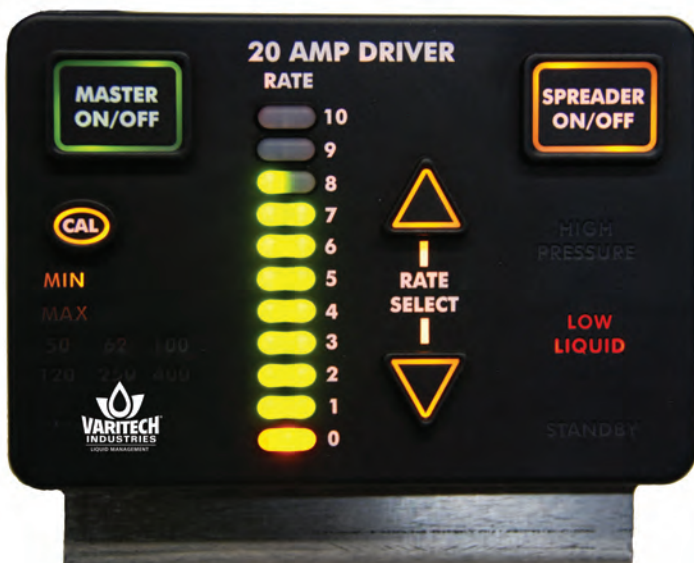


Our 20 amp Driver is a single channel Pulse Width Modulation (PWM) controller that provides a very cost effective solution for controlling a 12 volt circuit. The 20 amp driver provides a turnkey, plug-and-play controller for use with any VariTech open loop electric or auger exhaust hydraulic driven pre-wet system power unit. Output is indicated on a visual scale of 0 to 10 with 1/2 segment increments on the front of the controller. There are four LED indicators on the front panel for visual feedback on system operation.

20 Amp Driver

FEATURES

- **Rugged Silicone Keypad**
Generates a comfortable use interface
- **Standalone 20 Amp PWM Driver**
Perfect for low volume liquid pumps
- **Automatic Pump Shutdown**
Offers system protection from run dry situations
- **LED Bar Graph**
Allows for a wide range of adjustability
- **Step by Step Calibration**
Makes system calibration very simple
- **Backlit Display**
Provides fast and accurate navigation in low light conditions
- **Sealed Weatherpack Connectors with Dust Covers**
Gives adequate protection from outside elements
- **Compact, Space Saving Design with Aluminum Mounting Brackets**
Quick and easy installation with a variety of mounting locations



General Specifications

Operating Temperatures.....-40° to 85° C
 Operating Voltage.....10.0 to 18.0 VDC
 Operation Current Total Consumption.....23.0 Amps
 Output Current Maximums PWM Output.....20.0 Apms

Ignition Current Consumption.....0.5 Amps
 Output Frequencies (PWM).....50, 62, 100, 120, 250, 400 Hz
 Number of Outputs:
 Pump or Valve PWM.....1
 Digital Switch.....1
 Number of Inputs.....3
 Number of Buttons.....5

Fuse Ratings:
 Battery Input.....30.0 Amps
 Ignition Input.....1.0 Amps
 Dimensions with Bracket.....4.81" x 1.25" x 4" (L x W x H)



Tank Tamers are used in large mobile liquid tanks increasing the stability of the vehicle by reducing sloshing associated with vehicle movement.

Tank Tamers are easy to assemble and can be added to any liquid tank with a 16" or larger man-way.

Tank Tamers®

FEATURES

- **Complete Tank Baffling**
Eliminates fluid sloshing for increased driver safety
- **Injection Molded**
Debris associated with drilled holes is eliminated
- **Increased Vehicle Life Expectancy**
Reduced payload movement reduces wear and tear on vehicle
- **Extra-Heavy Duty Construction**
Withstands the movement of high specific gravity liquids
- **Self-Locking Snap Assemblies**
Easily assembled without additional parts that can rust and break
- **Field Removable**
Tank Tamers can be removed for tank cleaning or maintenance
- **Reduced Driver Fatigue**
Stabilizes liquid material improving driver comfort
- **UV Stabilized Plastic**
Prevents brittleness and adds to the life expectancy

Tank Gallonage/14 = Approximate # of
Tank Tamers Needed



15 inch Tank Tamer