

ANOTHER SOLUTION
BY FORTBRAND



1000 Gallon Airport Anti-Icing System by

FORTBRAND
QUALITY • TRUST • RELIABILITY

TRAILER:

- Constructed of 2"x 6" structural tubing with .250-inch wall thickness.
- Tires to be rated for maximum payload. Steel wheels 7.5 x 16"
- Trailer has dual, Henschen Dura-Flex suspension axles, or equal.
- The trailer is equipped with surge brakes.
- Trailer equipped with Pintle-type hitch-rated maximum payload
- Trailer equipped with tongue jack of sufficient capacity
- Trailer-equipped fenders covering both sets of wheels, including the inside of tires and mud flaps
- Toolbox located on the trailer deck to store components when not used.
- The trailer is completely painted to inhibit rust.

**VAMMAS
DST 1000**

SPECS AT A GLANCE

1000

Gallon Polly tank

7

Preset application rates

50

Foot fully deployed
convergence

TANK

- 1000-gallon Poly tank with UV protection.
- Tank Dimensions: approx. 71" OAL, 78" OAW, and 72" OAH.
- Manhole 16" diameter manhole with 10" fill access and cover.



ENGINE/PUMP SYSTEM:

- Powered by Honda 16 HP gas engine
- The Honda engine is an electric start with an onboard battery system.
- Corrosion-resistant centrifugal pump rated at 200-gpm minimum.
- Plumbing is a combination of stainless steel, poly, and rubber.
- All plumbing is constructed of non-corrosive materials and is compatible with all types of deicing chemicals commonly used on airport surfaces.

APPLICATION CONTROL SYSTEM:

- The application rate of the deicing fluid is controlled with a microprocessor located in the cab of the vehicle.
- The rate of liquid dispersal adjusts with the changes in the vehicle speed to give a constant applied rate on the surface.
- The liquid control system is infinitely adjustable.
- The microprocessor monitors the vehicle speed and flow rate from the flow meter and adjusts the rate control valve 20x /second, to maintain an accurate spray rate.
- The flow of liquid is dispersed equally across the full length of the spray boom.
- The microprocessor control system has a 25' control cord from the trailer hitch to permit the control panel to be operated from inside the tow vehicle cab.
- The control panel allows the turning of each of the 3 boom sections on/off from the cab.
- The application rate will automatically adjust when each boom is activated.
- Speed changes in the vehicle are obtained from an onboard GPS speed sensor.
- Microprocessor does totalize and display the amount of deicer fluid sprayed.
- From 1 to 7 preset application rates can be programmed into the rate control system with unlimited on-the-go adjustments.
- Blast Application Rate button for applying extra fluid to a critical area.

LIQUID DISTRIBUTION SYSTEM:

- The Center Section boom support structure is constructed of 2" x 3" by 11-gauge square structural steel tubing.
- Boom wings constructed of Aluminum tubing designed to handle all the stresses experienced during deicer applications procedures.
- Spring loaded break-a-way system on each boom to allow them to relieve back in the event of striking an obstacle.
- The center boom section is fixed. Both the left and right side boom sections are stored along the tank for travel and use in tight locations.
- Left and right booms can be manually deployed and stowed when needed. Booms in the stowed position have a locking mechanism for travel.
- The spray pattern when fully deployed has a convergence of 50 feet.
- Spray tubes are 304 SS tubing.
- Nozzles spaced 30" apart to give triple overlap coverage.
- Each boom section is capable of spraying independently.
- Standard nozzles are Variable Orifice Fan nozzles with built-in check valves. (Single nozzles and 3-way nozzles are also available.)
- Boom valves are electronically controlled in the cab.
- Pump manifold manual valves allow for loading/unloading, spraying, and transfer.

LIGHTS:

- Lighting on the trailer includes stop, turn, and tail with marker lights the meet ICC regulations.
- All wiring is installed to protect from vibration and overspray of the deicer liquid. Top-quality connectors are used on all wiring connections.
- Both the left and right booms have a strobe and marker lights.
- Three spotlights are mounted on the deicer. One to illuminate the pump area and the other two to illuminate each boom.

FINISH AND PAINT:

- All metal surfaces are primed and painted with high-quality yellow safety paint.
- Stainless Steel spray booms are unpainted and left in a 2 B finish or better. (other paint options are available)

WARRANTY AND SERVICE

- 12-month 100% parts and labor
- Operator and Service Manual in both hard copy and electronic.