



# ***Deice Equipment***

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## **Deice Equipment Sales**

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# Application Equipment



# Truck Units

## 1035 & 2000 Gallon



The 1035 and 2000 gallon deice units are made to slide into a dump truck or similar size vehicle. The unit pictured is set-up with a Roadmaster automatic rate controller with plumbing for 3 sections. Also included is a 96" or 80" boom to apply liquid deice product to the road surface. The boom can be equipped with either drops or nozzles depending on the surface to be covered.

To make filling quick and easy a 2" quick fill port is added to the tank. This unit comes standard with a TIR RC-10N rate controller, but can be easily upgraded to a MicroTrak Roadmaster for automatic rate control.

### Options

#### Pump

- 5.5 hp Honda engine w/ 2" Banjo poly pump
- 8.5 hp Honda electric start engine w/ 2" Banjo poly pump
- Ace hydraulic driven pump

#### Boom

- 96" or 80" are typical
- Custom widths available

#### Controller

- Texas Industrial Remcor RC-10N
- Micro Trak Roadmaster

# Truck Units

## 325, 525, & 725 Gallon

The mid-size truck line includes a 325, 525, and 725 gallon units. These units are on a steel 3" channel frame with stainless steel banding to hold the tanks in place. The base model includes a 5.5 hp Honda engine with a 2" Banjo poly pump, a 96" receiver boom, and a RC-10N controller. The boom includes flood jet nozzles for low traffic areas and drops for high traffic areas. The unit has a 2" quick fill port for filling from a tank or larger truck. To make sure the pump stays clean of debris, there is an inline strainer.

### Options

#### Pump

- 5.5 hp Honda engine w/ 2" Banjo poly pump
- 8.5 hp Honda electric start engine w/ 2" Banjo poly pump
- Ace hydraulic driven pump

#### Boom

- 96"
- Custom widths available

#### Controller

- TIR RC-10N
- MicroTrak Roadmaster



# *Truck Units*

## Pre-Wet Units



This pre-wet unit is designed to slide beside a salt applicator in the bed of a smaller truck. This unit will apply a small amount of product to the salt to help it react quicker with the ice and snow. The tank is a Norwesco PCO tank and comes in multiple sizes to fit your particular needs. This unit comes with a John-Blue 12 volt electric pump and a rheostat in the cab to adjust the flow of the product. It comes with a quick fill to make refilling the tank an easy process.

# *Truck Units*

## Tail Gate Units



This unit attaches to the tailgate of a salt truck and allows liquid deicer to be applied to the salt as it hits the spinner. By doing this, the salt reacts quicker with the ice and snow to speed up the melting process. This unit comes with a John-Blue 12 volt electric pump and a rheostat in the cab to adjust the flow of the product. These tanks are custom built out of 1" poly to withstand the abuse that they take from being attached to the back of a salt truck.



# Truck Units

## Booms



To make sure the deice product gets to the road surface to be treated correctly, we offer several different boom options. The picture above shows a standard 96” boom with either nozzles or drops. The nozzles work better in areas with less traffic because it accomplishes complete coverage of the area, such as driveways and parking lots. The drops work better in areas of high traffic, since the traffic can spread out the product. The drops do allow the use of less deice solution, but there has to be enough traffic to spread out the product. The picture to the right shows a nozzle setup and while the lower right picture shows a drop setup and how it attaches to the boom. Booms can be customized to any width to suit your needs.

Another way is to treat the salt before it hits the roadway. The picture below shows two nozzles that pre-wet the salt as it falls from the truck and hits the spinner. By pre-treating the salt this way, it allows the salt to work quicker in icy conditions.



# 3-Point Utility Units

This 55 gallon 3-Point unit is for the back of a small utility tractor. The unit comes with a 3 point hook-up for the tractor and a PTO driven Hypro pump. The pump is a Hypro 6500 series roller pump with a 540 adapter. A hand wand and a boom on the back of the sprayer are also included. The boom can be plumbed for different widths depending on the area to be covered. It can also be equipped with a choice of nozzles or dribble hose for application of different areas. There is a manual shutoff for the boom and a manual pressure adjustment to get the correct amount of product applied.



## Options

### **Boom**

- 7'
- 12'

### **Hand gun**

- TriggerJet (pictured)
- 43LAL6
- JD9-C

### **Controls**

- Manual (pictured)
- TIR RC-10N
- MicroTrak Roadmaster



# ATV Units



The ATV unit is a skid sprayer that will fit into the bed of most ATV type machines. They come with a 55 gallon tank, regulating valve, return line and your choice of a gas engine driven pump or 12 volt electric pump. The 12 volt electric pump unit is pictured. This unit also comes with a hand wand and 20' of hose for spraying hard to reach areas. On the back of the sprayer is your choice of a 12' or 7' boom. This boom is capable of having

spray nozzles or dribble hose installed on it. The unit pictured has manual controls on it to regulate the flow of product but a TIR RC-10N or MicroTrak Roadmaster can be added for addition control options.

## Options

### **Boom**

- 7'
- 12'

### **Hand gun**

- TriggerJet
- 43LAL6
- JD9-C

### **Controls**

- Manual (pictured)
- TIR RC-10N
- MicroTrak Roadmaster

### **Pump**

- 3.5 hp Briggs engine w/ Hypro 4100 roller pump
- Flowjet 12 volt pump



# Controllers



Along with a manual control system we offer 2 other types of product control. They are the Texas Industrial Remcor RC-10N and the MicroTrak Roadmaster. The RC-10N, pictured to the left, gives the driver the ability to change the pressure and turn the boom on and off from inside the cable. This system is the next step up from a manual system as it allows flow rate control and on/off valve operation from the cab.



The Roadmaster is an automated rate control system. Not only can you use it to turn the boom on and off, but it will also change the rate as the speed of the vehicle changes. When the speed increases, the controller will automatically increase the flow to the boom and when the vehicle slows, just the opposite will happen to allow the operator to achieve target application rates. The Roadmaster is the most accurate and effective way to control deice application. This unit allows the operator to program in the desired target

rate, simply turn on the master switch, and drive to achieve that rate. This system also gives a blast option which will allow the driver to add extra product with the touch of 1 button on bridges and at intersections where more deice product is needed.

# Storage Products





# ***5000 GLS System***

The 5000 GLS Storage system comes with (2) 2500 gallon poly tanks, a 2" pump, and 100' of hose. You have the choice of a 2" poly pump with either a gas engine or electric motor. Each tank has 2 valves installed so that they can be agitated with the pump by simply changing connections. For more storage, extra tanks and plumbing can easily be added.



## ***Poly Storage Tanks***



If the 5000 GLS storage system is not right for you, we have a full line of Snyder & Norwesco poly storage tanks. Sizes range from 15 gallons to 10,500 gallons. Just ask a deice representative and they would be happy to customize a storage system to fit your needs. All tanks include a 2" or 3" tank fitting. Also, the poly storage tanks have a

minimum specific gravity design of 1.5 which is suitable for storing products up to 13lb/gallon products. Norwesco tanks have a 1.9 specific gravity option available in their Heavy Duty line.

# ***Poly Truck Tanks***



We also carry a full line of horizontal nurse tanks for all sizes of trucks. Our nurse tanks range in size from 300 gallon to 3200 gallon. With this range in sizes, we can supply a tank to fit your truck and transportation needs.

As you see in the pictures, the tanks come with a 2" or 3" tank fitting. Metal hoops are included to hold the tanks in place. Baffle balls are placed in all nurse tanks for anti-slosh purposes when accelerating and braking during deice solution application.



# Brine Makers





# ***Brine Batch Maker***



# Brine Batch Maker

This batch maker pictured makes 1000 gallon of salt brine at a time. It is made of 1" thick poly for strength and durability. The top of the tank is open so salt can easily be dumped in from a loader. The tank has internal tubing to insure an even and complete mixture of the salt and water. Once the tank is full of water and salt it will take approximately 45 minutes to completely mix. The 3 valves shown are for filling, mixing, and then removal of the brine from the tank. The heavy duty construction allows for the tank to be tipped over on its side for easy clean up.



In addition to the brine maker, a 2" pump is required to circulate the product and pump it to some type of storage facility. A good source of water will be needed because the total time to make a batch depends not only on the mixing time but also on the time it takes to fill the batch maker.

Batch makers can also be customized in size to fit your brine needs.



## Pictures

**Top right:** End view of brine tank

**Middle left:** Inside view of tank

**Bottom right:** Inside view of agitation tubes.

# *12 Volt Brine Application System*



This system easily mounts to an existing tank with frame or another style tank with appropriate framework. The 12 volt Dura-Pump provides the required flow volume for deice and anti-ice liquid applications. This pump is capable of handling high viscosity liquids in low temperature conditions. All the items listed below come with this system to make liquid application easy and effective on small properties:

- 12 volt pump capable of 10-12 GPM in cold conditions.
- Flow meter to easily measure liquid application amount in gallons per job.
- Spot spray gun to access walkways, steps, & small hard to reach areas.
- Spray boom with truck receiver mount & quick attach hoses.
- Pressure gauge allows driver to manage application rate to spray boom.
- Boom covers 10' with 10 TeeJet StreamJet nozzles that spray 7 streams from each nozzle.
- Truck-friendly electrical cable connects battery to pump w/ in-cab on/off toggle switch.
- Plumbing to agitate tank contents to maintain solution condition.
- Hose and fittings to fill other small liquid application units from the truck.
- Extra pump gasket and cartridge included for quick and easy repair.
- Extra plumbing fittings and spray boom components included.
- Extra fittings included to attach to various style tank fittings and to fill from other tanks.
- \*\*\*Cage Tank not included with kit\*\*\*

# Thank You

We would like to take this space to thank you for considering Deice Products for your liquid deice and ant-ice needs. We are always looking for ways to improve our equipment to better suits your needs. If there is something not represented here that you would like to see, please contact one of our representatives and they will gladly help you design equipment to meet your exact needs.

**Deice Products**

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