LiquidSystems

Designed to withstand the harshest winter conditions





Liquid | Pre-Wet



Liquid | Anti-Ice



Liquid | Dust Control



Liquid | Pre-wet Systems

Pre-wet - Application of a liquid chemical ie. Salt brine, calcium chloride, magnesium chloride, etc. to a granular material.

Why Pre-wet?

- 1. Faster reaction time to start the brine process.
 - In order for the rock salt to break down, it must have moisture.
- 2. More material stays on road surface where spread.
- Test results from many states show that on average, 30% of dry salt is lost off the road surface upon application.
- 3. Allows you to use less product.
 - Salt that has been pre-wetted has a loss rate of 4% on average.



Components of a Pre-wet System



Tanks - Available in many different volumes and shapes. Poly tanks have integrally molded threads, baffles and slosh guards for the lid





Pump - Hydraulic or Electric Displacement is typically from 3-10 gallons per minute.



Nozzles



Open Loop vs. Closed Loop

Closed Loop has a flow meter installed in the plumbing to measure flow. The flow meter emits electrical pulses that are received by a ground speed controller. The control monitors the amount of pulses relative to granular product dispensed.

Open Loop does not contain a flow meter. It may be driven off of the exhaust oil of the conveyor so that as the conveyor speeds up the pre-wet pump also increases. This keeps your ratio of granular to liquid equal.

*Photo shows tank configuration of 940 total gallons (540 on body and 400 behind cab)





Tailgate Mounted Pre-wet System

75-180 gallons 100 gallons shown in photo



Behind the Cab Pre-wet System

120-400 gallons 240 gallons shown in photo



1500 Gallon Insert Tanks



V-Box with Pre-wet System



In-Bed Tank Pre-Wet System

526 or 960 gallons



Fender Mounted Pre-wet System

75-270 gallons per side 150 gallons per side shown in photo Tanks are custom sized to fit body



Liquid | Anti-Icing

- 200-5000 Gallon Baffled Tanks
- 20-60 Gallon per Lane Mile; 1-3 Lanes
- USA Made Glass Filled Poly Fittings with Manifold Style Connections
- Right Hand, Left Hand and/or Center Lane Applicators
- Stainless Steel Spray Bars
- Stainless Steel Filter Screen
- Directable Side Nozzles
- Quick Attach Nozzles
- Application Rates up to 55 MPH
- Dump Body Slip-In, Chassis Mounted, Trailer Mounted, or Hook Loader Units Offered
- Hook Loader Mounted Units Offered
- Self-Storing/Unloading Skid System (Optional)
- Reduce Overall Winter Operation Costs
- Use Less Rock Salt
- Get the Pre-Treating Advantage on Fighting a Storm
- Environmentally Friendly
- SHRP (Strategic Highway Research Program) Tested Technology











Flush & Dust Capable



Liquid | Roadside Vegetation



Equipped with 1 to 4 Chemical Injection System

2700 Gallon Flusher System w/ Removable Rear Skid

Features:

- · Tanks:
- Carrier Tanks 500-3000 Gallon
- Chemical Tanks 30-85 Gallon
- · Color Coded Chemical Lines
- · Stainless or Cast 190GPM Chemical Pump
- 500-700GPM Flusher Pump
- Load Sensing Hydraulic System
- Raven 4600/4400 Control Console
- Closed Loop Flow Meters
- GPS/Radar Ground Speed
- Data Collection with Mapping Capabilities



1300 Gallon, 4 Product Injection System with Sign Board Option

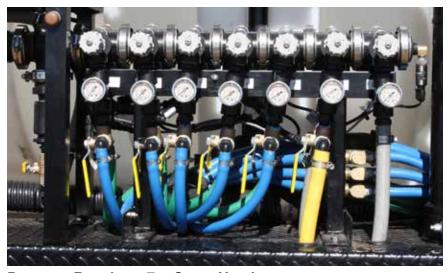


1000 Gallon System w/ Removable Skid



2700 Gallon Unit

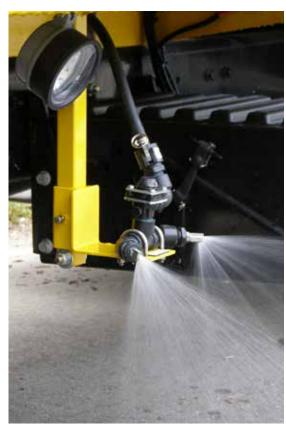




Pressure Regulator For Spray Head







Guard Rail Underbody Spray Booms Manual or Power Height Adjustable Optional Spot Light Shown

Spray Head: Front, Mid or Rear Mounted. Multi-Zone Spray Load with 30° Linear Actuation Tilt to Follow Ground Contour.

Street Flusher System







4 Locations to Serve You

Monroe, WI Marshfield, WI De Pere, WI Joliet, IL



municipal.monroetruck.com 800-880-0109

