

LiquidSystems

Designed to withstand the harshest winter conditions



Liquid | Pre-Wet



Liquid | Anti-Ice



Liquid | Dust Control



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 **monroe**
a brand of aebi schmidt

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



Plumbing Fittings



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



Semi Trailer Anti-Ice

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



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800-880-0109

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