

PRE-WET APPLICATION SYSTEM

PAS SERIES



GVM's **Pre-Wet Application Systems (PAS)** are proven solutions to easily and accurately dispense liquids at the spinner to pre-wet granular material before it is applied to roadways. Built on the heaviest duty frames in the industry, GVM's systems provide extended durability and reliability, allowing users to provide a consistent and superior service. Pre-Wet Application Systems are ideal for Department of Transportation's, municipalities, townships, and landscapers who are responsible for treating roadways during a snow or ice event. With a variety of sizes and mounting options, these pre-wet systems can be customized to fit virtually any truck.

GVM's Pre-Wet Application Systems are available with either a hydraulic or electric pump unit, a cab-mounted controller, hot-dipped galvanized steel carrier, weatherproof polyethylene pump housing, and all necessary wiring and plumbing for quick and easy installation. All solution tanks are constructed of rotationally molded, high density, UV stabilized polyethylene, and are designed to hold material with specific gravity of up to 16 pounds per gallon.

Features

- Accurately and consistently dispenses all common pre-wet liquids
- Cab mounted controller
- Hot dip galvanized steel carrier, or optional stainless steel
- Weather proof polyethylene pump housing
- Hydraulic or electric pump



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GVM offers a variety of tank mounting options to fit nearly any granular spreading truck. All tanks used are constructed of rotationally molded, high density, UV stabilized polyethylene designed to hold material with specific gravity of up to 16 pounds per gallon. Tank supports are constructed of hot dip galvanized steel. Pump unit mounting locations vary by truck, but are always positioned to be easily accessible for service, maintenances and inspection.

Frame Mounted

Frame mounted pre-wet dispensing systems utilize two channel formed, powder coated L-brackets, to mount the tank directly behind the truck cab and under the dump body. The pump units for these systems are mounted on the side of the dump body. Frame mounted systems are available in 35, 55, 65, and 100 gallon sizes.



Chassis Mounted

Chassis mounted pre-wet dispensing systems utilize hot dip galvanized steel framing to mount the tank between the cab and the dump body. The pump units for these systems are mounted on the side of the dump body or between the cab and dump body. Chassis mounted systems are available in 60, 90, 120, and 240 gallon sizes.



Tailgate Mounted

Tailgate mounted pre-wet dispensing systems utilize a hot dip galvanized steel carrier attached to the tailgate to mount the tank and pump system. The hot dip galvanized steel carrier is constructed of hot rolled steel, designed for quick installation and removal from the tailgate. The carrier uses four pull-pins and a lifting eye to facilitate ease of system installation and/or removal. Tailgate mounted systems are available in 30, 70, 100, and 135 gallon sizes.



V-Box Mounted

V-Box mounted pre-wet dispensing systems utilize a hot dip galvanized steel framing to mount the tank to the sloping side of a V-Box hopper. Tanks used in V-box systems have one angled side to closely fit beside the V-Box, without adding extra width to the body. This system can be set up for single or dual tank application. When dual tank application is utilized, the tanks are plumbed together, allowing solution to be evenly drawn from each tank, to maintain an even weight distribution. V-Box mounted systems are available in 30, 60, 70, 100, 140, 200, 280, 400, and 450 gallon sizes, and with the dual tank option, offers a maximum 450 gallon capacity.



Pump Units

PAS Series hydraulic driven systems are designed to dispense liquid pre-wet materials with a hydraulic driven pump, coupled in series to the dry material spreader auger, providing a consistent ratio of liquid to dry material. These systems operate in conjunction with ground speed or manual spreader controls providing a linear chemical flow at vehicle speeds ranging from 3 to 50 miles per hour. They operate in auger reverse without back pressure on the spreader system components. All liquid handling components are resistant to the effects of standard de-icing liquids and have a record of proven reliability.

Additionally, an electric variable speed driven pump designed to apply liquid de-icers to granular material being dispensed from a tailgate mounted spreader could be utilized. The flow rate is then manually adjustable by the operator from the in-cab controls.

Flush Assembly

A ½ inch 3-way PVC ball valve flush assembly is located at the suction side of the pump, between the T-strainer and the tanks, to allow flow from the tanks to the pump for normal operations. It also allows flow via a garden hose adapter through the T-strainer, pump, and spray nozzles to flush the pre-wet liquid from the working components when the system is not being utilized.

Pre-Wetting Benefits

- Increases melting power of salt/sand
- Gets salt to pavement faster
- Reduces salt usage by 33% or more
- Makes the truckload go further
- Return on setup cost in one season



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