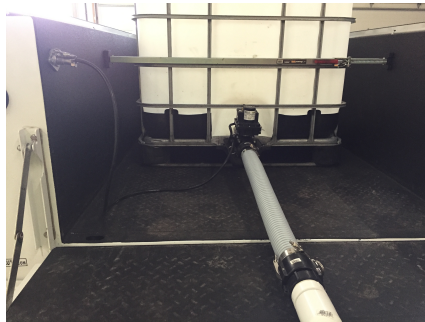


Gravity Feed Brine Spreader



- We developed the gravity feed brine spreader to eliminate the clogged filter and nozzles that occur with the pressurized pump spreader equipment.
- A very simple design, it consists of a tank, a spreader bar, and an electric ball valve. This reduces the number of moving parts that could be problematic.
- This gravity feed system uses a bigger line and larger holes in the spreader bar than a pressurized system. We haven't had any clogs in three years of use.
- Another benefit is that regular road salt can be used. Because this system has larger holes, the dirt in the salt is not a clogging issue. So brine can be mixed for approximately fifteen cents per gallon.
- This system allows the use pickup trucks which are much easier to maneuver around intersections.
- Using five of these spreaders, 49 miles of road can be treated in approximately three hours.
- We have had great success using this system for pretreating our roads. The brine prevents ice from bonding to the road surface, and storms where we only get 1" to 2" of snow we don't have to apply salt, which saves our township money.