

PlantStar

Chemical Mix and Recapture Systems



360 gallon open top mix tank with jet agitation and 550 gallon storage tank for rinsate or second mix



High volume, heavy duty PlantStar /FlowMax pump insures through agitation and quick transfer of materials



2 inch transfer line connection allows fast, spill free fill rates of 100 GPM or better



System can be integrated with the Carbtrol wash water recycle system or installed as a stand alone unit

Call us today at 706-769-9210, to set up an appointment for us to visit your site and design a system that suits your needs.

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Chemical Mixing and Recapture System

Overview: The PlantStar Chemical Mixing & Recapture System combines the finest components of our chemical handling and couples them with a custom installation to easily mix and contain pesticides, herbicides and soluble fertilizer materials in a closed loop system. This system allows the operator to blend, agitate and pump any chemical solution directly into a sprayer or storage tank with no exposure to the chemicals.

The recapture system also allows for sprayer tanks to be pumped out, washed, drained and the rinsate material collected out of a floor sump and stored for later use in a storage tank. Two additional sumps in the containment area and chemical storage area ensure the total recapture and containment of any spills.

Components:

Liquid Storage: (All tanks have full recirculating ability and jet agitation)

- 1 360 gallon open top mix tank with jet agitation.
- 1 550 gallon upright storage tank for stock solutions and/or rinsate material

Pumps: 1 PlantStar-FloMax chemical/fertilizer heavy duty transfer pump with stainless steel impellor and wear plate

Controls: (All controls are installed and mounted in a NEMA 4X enclosure)

- 1 3 HP, single phase or three phase electric motor with push button electrical starter

Accessories: 1 Heavy gauge, stainless steel mounting table for pump.
Custom discharge system for loading/filling of sprayer equipment
PVC 80 and polypropylene 2" components manifolded to both tanks' intake and discharge.
Metal sump grate frames
All technical drawings to ensure proper drainage and secondary containment

Features:

- 1 Transfer pump allows for close loop recirculation and agitation. Full transfer capabilities from any tank to any other.
- 2 Transfer pump link to containment sump allows for total recapture and reuse of any spills or rinsate within one of three containment areas.
- 3 Jet agitation in Mix Tank provides the capability to dissolve and fully mix chemical products with water.
- 4 Chemicals can be put in solution in Mix Tank then discharged using transfer pump into Storage tank or spray equipment.
- 5 Two tanks allow for storage of stock solutions and more versatile blending.
- 6 Water injection allows for full back wash capabilities in all lines supply and return.
- 7 All discharge connections are quick connect cam locks.

Options: Additional Storage and/or mix tanks.
Wash down storage tank with sump transfer hook up.
Potable water and Hot water injection for improved mixing and blending.
Floor grate covers and custom filtration baskets

Requirements: Concrete floor system with containment wall and sloping floor to sump pit.
Underground pipe connecting sump drains to pump intake.
Water supply with back flow prevention equipment.

Installation Time: Two days (includes hands-on training)

Warranty: System includes a one year parts and labor warranty