

Slurry System

The Slurry System is used to inject hydrated Floccin products into a pipe containing untreated wastewater. The dry granular or powder Floccin products are feed from a 2000 lb bag at a controlled rate to a hydration tank where they are hydrated in water with the aid of a variable speed mixer. The solution is then pumped into a pipe where the flocculation reaction occurs.

General Specifications

- All 304 stainless steel construction
- Approx. dim. 3'-6" X 3'-6" x 5'-10"; Requires 6 feet of clear overhead space for placement of 2000 lb bag in basket.
- Variable feed rate from 5 lb./hr to 200 lb./ hr
- 70-gallon hydration tank, with dedicated drain
- 20 amp service at 110 VAC 1Φ
- Removable hydration tank cover
- Makeup water for slurry can be wastewater or fresh water
- Self-cleaning, ¾-hp output pump
- Ultrasonic level control and modulating valve

All Slurry System control panels feature a programmable logic controller for complete automation including the startup and shut down procedures. It features Hand/Off/Auto controls on all functions.

The hydration tank water level is monitored with a no contact ultrasonic sensor for precise reliable level measurement. For safety, an emergency stop (e-stop) is standard. The slurry system can be manually turned on and off, or interfaced to the customer's existing control(s). The hydration tank mixer, and feeder speed is controlled using variable speed controllers.



Optional Features:

Digital Feed Rate Meter with output in lbs./hr with a reset