



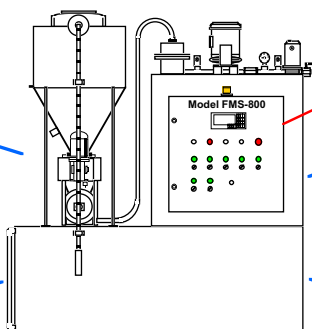
Flocculant Mixing Systems



Belt Press Filters



Centrifuges



Floc Make-Up Systems
For All Kinds Of Applications

New feature!
Monitor via Internet
or SMS messaging



Thickeners & Clarifiers



Dissolved Air Flotation

Premium Floc Mixing Systems

When plant availability, process reliability & operator safety are paramount, select one of our premium flocculant systems. Standard features include:

- **Premium water supply controls**
Flow rate & pressure monitoring, non-contact water level detection, sediment strainer, back flow prevention & 24 VDC solenoid valves. In the event of water supply failure, the mixer continues to operate to ensure complete flocculant dissolution.
- **Wetting head**
Two piece design with quick-release couplings on the water & powder supply connectors. A large bore powder injection spigot to prevent "dag" build-up. Spray nozzles are high flow, full cone pattern for excellent wetting.
- **Powder handling - reliable & dust free**
Vacuum transfer of powder to hopper to minimise dust & spillage. Reliable powder discharge is guaranteed by a combination of sharp 60° incline hopper walls, a low frequency vibrator & a slow speed large bore, robust solid flight stainless steel screw feeder. The screw feeder can be by-passed so that hopper can be emptied with minimal spillage.

Air availability for powder conveyance is monitored by an air flow sensor. The air-powder conveying line is made from steel tube

- **Operator interface & process monitoring**
Plant status is monitored at the panel mounted operator interface screen. Remote monitoring via LAN or the Internet are optional. SMS messaging of alarm conditions is also available. The operator interface provides for:
 - Continuous water level indication in the mixing & storage tanks.
 - Batch progress indication.
 - Batch counter

- Hours run monitoring for the mixer, blower & screw feeder
- Flocculant usage indicator (cumulative kg of flocculant used)
- Continuous mass balance display, based on process flow rates, chemical usage rate, etc.

Budget Floc Mixing Systems

Our low cost systems are fully automatic & are suitable for either solid or liquid grade flocculants. Systems are supplied fully assembled with powder hopper, wetting head, level controls, transfer pump & control panel. Simply connect to power, air, water & dosing point and the system is ready for service.

Hoppers are manufactured from clear polyethylene so that level can be visually monitored. The hopper is mounted directly over the mixing tank. Powder is discharged via a rotary feeder directly into the inlet of the wetting head. The wetting head incorporates a venturi, water spray nozzles & containment curtain. Individual particle dispersion is assured. This direct flow method is simple & reliable, eliminating the need for air blowers & heating systems. The system is easy to monitor & maintain.

Ordering Information

System sizes range from 200 to 3,000 L/h. Solution concentration is operator adjustable from 1- 5 g/L.

Other products available include:

- Systems for liquid emulsions & dispersions.
- Chemical batching systems for solid grade chemicals such as alum, soda ash, etc.
- Manual systems, with single or twin tanks.
- Changeover kits for converting manual systems to fully automatic batching systems.
- Eductors & venturi's for powder wetting.
- Clarity meters.

For additional information regarding this product please consult your local agent, Environmental Warehouse or visit our website.