EquipSolutions™

WE OFFER

- Standard Chemical Feed Systems
- Controls / Controllers
- Metering Pumps
- Custom Engineered Systems
- On-Site Oxidant Generation
- Polymer Feed Systems
- Chemical Storage & Accessories
- Booster Skids
- Performance Monitoring Tools
- Transfer Pumps
- Level Monitoring
- Web Based Remote Monitoring
- Instrumentation
- Flow Measurement
- Innovative Accessories

SPECIALIZED SERVICES

- System Installations
- Start Up & Commissioning
- Contract Maintenance
- Emergency Repairs
- Plant Audits / System Surveys
- Pump/ Accessory Repairs
- Equipment Pool Management
- Equipment Rentals
- Controller Maintenance & Repair

MARKETS SERVED

- Industrial
- Municipal
- Commercial
- Recreational

31 Presidential Drive
Roselle, IL. 60172
Toll Free: 888-200-1800
Phone: 630-351-9070
Fax: 630-351-9080
www.equip-solutions.com

PolyPrep DP Series

Dry Polymer Preparation Systems

DP1000 shown with
Big Bag Handling System

- **Up to 2000 lbs per day**
- **Pressure regulator – WATER**
- **Pressure regulator – AIR**
- **Pressure gauge**
- **Globe valve**
- **Mag flow meter**
- **PVC wetting head**
- **Chemshear mixer**
- **View window and access hatch**
- **Slide valve**
- **Pressure switch**
- **Stainless steel piping**
- **Solution transfer pump**
- **Electrical enclosure**
- **Control cabinet with HMI interface**
- **PLC based logic control**
- **Level probes for day tank**

The DP1000 and DP2000 Series feeders are designed for batch preparation of powdered polyelectrolyte in harsh industrial service.

Sturdy open frame construction, 304 SS tank, Nema4X control box and 304 SS piping means years of service in the harshest of conditions.

The development criteria for this system centers on reliability. Our customers use this feeder to prepare chemical that is critical to their money making process. Poor reliability equates to poor quality or higher cost of the process output.

The Poly Prep DP has an innovative clog free gravity feed device for introduction and wetting of the powder.

The tank and mixer design are purpose built for activating and fully optimizing polymer solution.

Fail safe measures like our built in torque measurement identify when a problem occurs and notifies the operator of any problems.

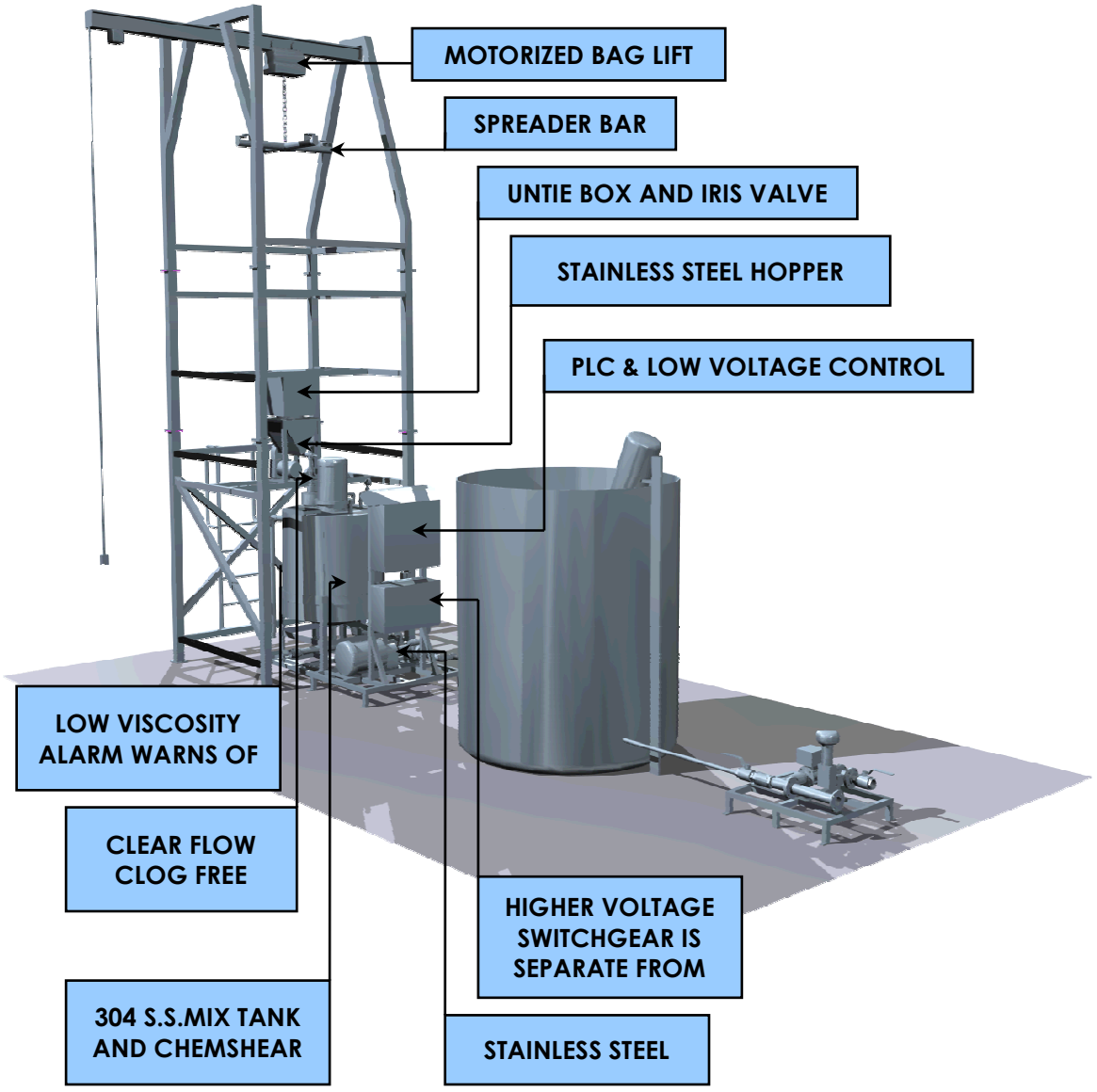
Patented mixer and tank design allow the DP Series to mix at higher concentrations for shorter periods.

This enables polymer solution concentrations up to 2.5% and batch times as low as 6 minutes of mixing.

EquipSolutions™

EquipSolutions™

PolyPrep DP Series



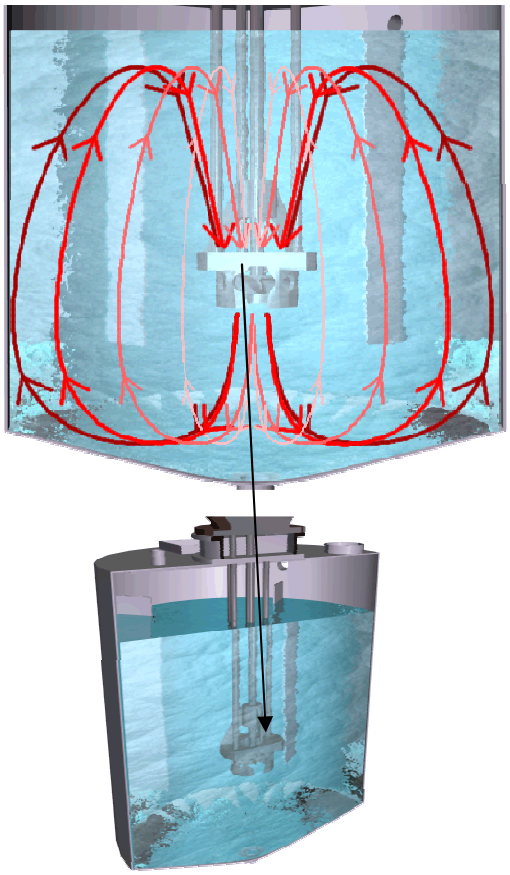
31 Presidential Drive • Roselle, IL. 60172 • Toll Free: 888-200-1800 • Phone: 630-351-9070 • Fax: 630-351-9080 • www.equip-solutions.com

PolyPrep DP Series

CLEAR FLOW WETTING HEAD

Clog Free Wetting Head provides system with properly wetted product for mixing.

CHEMSHEAR MIXER



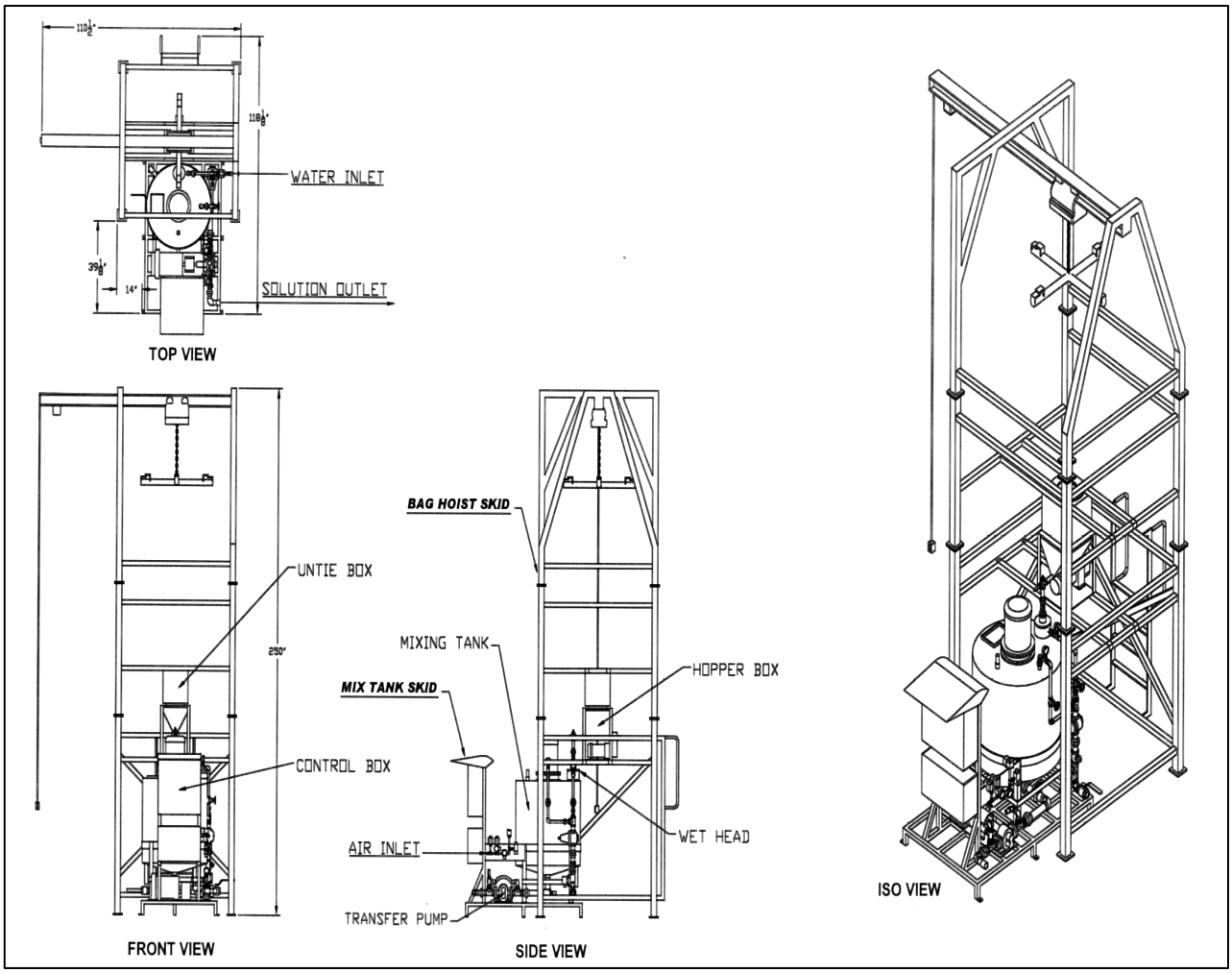
	DF-1000	DF-2000
WATER INLET	1 1/2" FNPT, 60 GPM, 60 PSI	2" FNPT, 90 GPM, 80 PSI
SOLUTION DISCHARGE	1 1/2" FNPT	2" FNPT
AIR INLET	1/4" FNPT, 100 PSI	1/4" FNPT, 100 PSI

Accessories	Model Number
Gantry	CF-S-1125
Poly Prep DF - 1000	CF-S-1000
Poly Prep DF - 2000	CF-S-2000
Solution Storage Tank with Mixer	CF-S-3421
Two Pump Dosing Skid 10 GPM Flow Rate	CF-S-5002
Three Pump Dosing Skid 10 GPM Flow Rate	CF-S-5003

31 Presidential Drive • Roselle, IL. 60172 • Toll Free: 888-200-1800 • Phone: 630-351-9070 • Fax: 630-351-9080 • www.equip-solutions.com

EquipSolutions™

PolyPrep DP Series



Material of Construction:

- Gantry: mild steel epoxy coated
- Untie box: 304 S.S
- Volumetric feeder: 304 S.S.
- Mix tank: 304 S.S.
- Chemshear mixer: 316 S.S. and Teflon
- Piping and valves: 304 S.S., brass, PVC and polypropylene
- Transfer pump: 316 S.S., and PEEK
- Frame: 304 S.S.

Gantry Includes:

- Capacity rated to 4000 pounds
- Motorized bag lift and handler
- Four button pendant control
- Spreader bar
- Untie box
- Volumetric feeder
- Iris valve
- Low-level indicator
- Door closure limit switch

31 Presidential Drive • Roselle, IL. 60172 • Toll Free: 888-200-1800 • Phone: 630-351-9070 • Fax: 630-351-9080 • www.equip-solutions.com