

Solution preparation system with Big-Bag discharger

TOMAL TURNKEY SOLUTIONS



- High-accuracy Solution preparation system
- Easy to handle Big-Bag set-up with dust-free operation
- Pre-Engineered design with short manufacturing lead-time and quick delivery

Solution preparation system with Big-Bag discharger

Scope

This solution preparation system is ideal for water treatment applications, including both drinking and wastewater. It features a Big-Bag support frame with an integrated electrical hoist. The Big-Bag is connected to a dust-free docking system equipped with a dust filter. Tomal's multi-screw feeder technology ensures smooth, linear discharge of chemicals with high precision. The solution is prepared in a preparation tank and batch-wised transferred into a dosing tank. The solution is then dosed to the injection point.

Technical specification

- Big-Bag support frame with a lifting hoist
- Vibrator for effective chemical discharge
- Big-Bag clamp and air evacuation filter for dust-free handling
- Tomal volumetric multi-screw feeder
- Screw-conveyor
- Preparation tank with agitator, dust arrestor, level transmitter and water fittings
- Transfer pump
- Dosing tank with agitator, level transmitter
- Frequency controlled dosing pump
- PLC-controlled cabinet

Your benefits

- Fully automatic, turnkey system
- Intuitive PLC control with Siemens 7" touch screen display
- High-precision powder feeding (+/-1%) via volumetric multi-screw feeder
- Dust-free operation for cleaner work environment
- Cost-effective solution preparation
- Durable construction for long life and low maintenance
- Compact design for easy installation and commissioning

Example of typical chemicals

- Soda Ash
- Aluminium Sulphate
- Urea
- Ammonium Sulphate

Capacity & Concentration

- 20-200 kg/h (44-440 lbs/hr)
- Typical concentration: 3-20%

Characteristics

- Tank volume: 1,0 m³ (264 US gallons)
- Big-Bag weight up to 1200 kg (2,645 lbs)

Tomal AB
 Bol 110
 S-311 65 Vessigebro
 Sweden
 Tel.+46 346 71 31 00
 info@tomal.se
 www.tomal.se

