

Slurry preparation system with Small-Bag discharger

TOMAL TURNKEY SOLUTIONS



- High-accuracy Slurry preparation system
- Easy to load Small-Bag unit with dust-control operation
- Pre-Engineered design with short manufacturing lead-time and quick delivery

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Scope

This slurry preparation system is ideal for water treatment applications, including both drinking and wastewater. It features a Small-Bag discharger unit that is connected to an air evacuation filter for dust control. Tomal's multi-screw feeder technology ensures smooth, linear discharge of chemicals with high precision. The slurry is mixed in a preparation tank and then dosed to the injection point.

Technical specification

- Small-Bag discharger
- Air evacuation filter for dust-control handling
- Tomal volumetric multi-screw feeder
- Preparation tank with agitator, dust arrestor, level transmitter and water fittings
- Frequency controlled dosing pump
- PLC-controlled cabinet
- ATEX- approved version available

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 slurry preparation
- Durable construction for long life and low maintenance
- Easy installation and commissioning
- Simple handling of the Small-Bags

Example of typical chemicals

- PAC (Powdered Activated Carbon)
- Lime
- Starch
- Potassium Permanganate

Capacity & Concentration

- PAC: 5-50 kg/h (11-110 lbs/hr)
- Lime: 40-400 kg/h (88-970 lbs/hr)
- Typical slurry concentration: 5-20%

Characteristics

- Tank volume: 1,0 m³ (264 US gallons)
- Small-Bags up to 30 kg (66 lbs)

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