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Grout Mixing Plant

Specifications

Product Description

The Grout Mixing Plant is design specifically to support Jet Grouting and Tunneling projects. Water, Cement and Bentonite are weighed using Digital Load Cells. Multiple design mix recipes can be stored in the system. During mixing, water is first injected into the Mixer. Cement and/or Bentonite are then discharged into the Grout Mixer via a Screw Conveyor or Rotary Valve. Circulation mixing is done using a heavy duty Slurry Pump driven by a Motor at 1460rpm. After mixing, the grout is discharged into an Agitator Tank using the same Slurry Pump. The next batch of mix can be started manually or automatically.

Features

- Portable and simple to set up.
- Individual settings for Cement, Bentonite, Water, Batch Quantity, Mixing Time and Batch Interval.
- Manual, Semi-Auto and Full-Auto functions.
- Simple and easy to operate.
- Simple maintenance and easy cleaning.
- Factory calibrated and ready to use.
- Integrated control for Water Supply, Mixer, Agitator Tank Cement and Bentonite Discharge.
- Individual components are easy to remove and install.
- Removable Control Panel for wired remote control.

Grout Mixer

Dimensions: est. 3696L x 1866W x 2289H
Net Weight: 2100Kg
Batching Capacity: 1m³ (other capacities available)
Power: 15Kw, 415V, 3-Phase, 50Hz

Agitator Tank

Dimensions: est. 2438L x 2438W x 2300H
Net Weight: 1800Kg
Tank Capacity: 5m³ (other capacities available)
Speed: 25rpm
Power: 3.7Kw, 415V, 3-Phase, 50Hz

Cement Silo

Dimensions: est. 3933L x 3010W x 9660H
Net Weight: 4800Kg
Storage Capacity: 36m³/55ton
(other capacities available)

Screw Conveyor

Dimensions: est. Ø10" x 4500L
Net Weight: 500Kg

Ground Filter Compartment

Dimensions: est. 1220L x 1220W x 3505H
Net Weight: 800Kg