

Big Bag Unit

Big bag material handling with minimized chemical exposure

APPLICATIONS

Land and offshore drilling

BENEFITS

- Prevents clogging and product waste with hopper design
- Reduces dust pollution with pneumatic cleaned dust-filter unit

FEATURES

- Dismountable and changeable cutting blades
- Dosing screw conveyor controlled by variable speed drive (VSD)
- Local control panel
- Integrated self-cleaning dust filter unit
- Customizable design

OPTIONS

- Electronic load cells for real-time weight data
- Oscillating vibration unit
- Removable discharge hopper with forklift supports for easy filling of material if height restrictions
- Remote operation via mud control station (MCS)

The big bag unit (BBU) improves operator safety and productivity by minimizing contact with powder and dust and enabling easy big bag handling. The integrated dust-filter unit operates whenever the BBU is in use to prevent dust pollution in the operator area. The oscillating vibration unit activates during all dosing operations to ensure that the hopper is properly emptied, preventing both clogging and product waste.

The operator controls the BBU using a local control panel.



Specifications

Area classification	Safe zone
Control	Local
System type	Electrical pneumatic
Total dimensions (L x W x H) (typical)	143 in x 63 in x 101 in [3,642 mm x 1,588 mm x 2,578 mm]
Empty weight	2,009 lbm [750 kg]
Capacity (typical)	35 to 353 ft ³ /h [1 to 10 m ³ /h]
Construction	AISI 316 stainless steel

Scope of Supply

Standard big bag unit
 Dust-filter unit
 Manual valves
 Dosing screw conveyor with VSD motor
 Standard documentation

Options

External dust-filter system
 Electronic load cells
 Remote-operated valves
 Interface to MCS for remote operation
 Additional certification (CE and Hazardous Zone I and II)
 Removable discharge hopper with forklift supports
 NORSOK documentation