

Big Bag Discharge Station

Standard model



Standard model

Hoist loading

BBD standard model loading by hoist
Narrow width of big bag:
 1,250 & 1,500 mm

Rate: 10 to 30 big bags/hr.

Weight capacity: 2 tons/big bag

Objectives: flexibility for big bags handling and containment

This station allows an ergonomic big bag discharging using an electric hoist. This enables a self-loading of big bags of different sizes on the station.

★★★★★
Equipment

TEST CENTER

Available



Trackway for hoist

Electric hoist: lifting capacity 2 tons

Bag hanger

Support frame

Sealing skirt: optimise containment by capping the bottom of the big bag (optional)

Main tray: insures the big bag maintain during the emptying phase

Unlacing cabinet with dust-proof door

TECHNICAL SPECIFICATIONS

Flow rate: 10 to 30 big bags/hr.

Weight capacity: 2 tons

Structure framework manufacturing: mild steel, 304L stainless steel, 316L stainless steel

Manufacturing of parts in contact with the product: steel, 304L stainless steel, 316L stainless steel

Installed power: 0.1 kW vibration, 1.50 kW et 0.75 kW hoist

Required flow rate for dust extraction: 800 m³/hr.*

*may vary according to the treated product

Ergonomic height to access to big bag: 1.500 mm



▶ **Hopper bulk bag discharger:**
 Since the entire weight of the bulk bag is safely supported by the hopper and the discharger is designed so that the operator interfaces with it access door at shoulder height, operators never work under a suspended load and the reach into the hopper to untie the outer flap and outlet spout is easy and strain-free



▶ **Protection screen:** to limit the risk that foreign bodies contaminate powder.
 Mesh size: 50 x 50 mm*
 *possibility to reduce on request

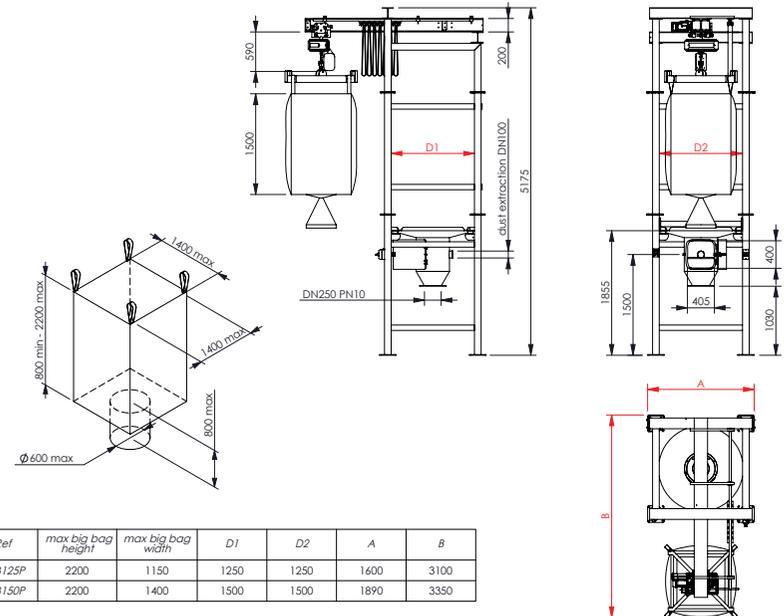


▶ **Pulsed vibration:** if the material requires further inducement to achieve a steady flood feed state at its outlet, an electromechanical (or pneumatic) vibrator mounted to the hopper provides additional flow inducement



▶ **Bag strap holder** allows fast, easy and secure insertion and removal of bag straps

Advantages



Options



Message paddles: disposal aid



Loads cells

See all our options on page 24

Big Bag Discharge Station

Standard model



Forklift loading

FIBC standard model when loading with forklift
Clear width for big bag:
 1,250 & 1,500 mm
Rate: 10 - 30 big bags/hr.
Weight capacity: 2 tons/big bag
Objectives: ergonomics & dust control

This big bag discharge station enables to unload ergonomically big bags by using forklift and a specific handling cross. The height of the structure is adjustable thanks to a system of ducts and rods to fit different sizes of big bags.

Equipment

TEST CENTER

Available



Bag hanger with 5 points: to set the big bags inner liner. A central hook can be implemented in order to handle a big bag with one handle

Handling sheaths to allow gripping by forklift

Adjustable height of the structure to fit different heights of big bag

Main tray: to maintain big bag during emptying process and to secure handling operations

Unlacing cabinet with dust-proof door: to offer a safe and ergonomic access to the spout of the big bag

Protection screen: to ensure powder feeding without foreign body (mesh size 50 x 50 mm)

Control panel

TECHNICAL SPECIFICATIONS

Flow rate: 10 to 30 big bags/hr.

Weight capacity: 2 tons

Structural framework manufacturing: mild steel, 304L stainless steel, 316L stainless steel

Manufacturing of parts in contact with the material: steel, 304L stainless steel, 316L stainless steel

Installed power: 0.1 kW

Required flow rate for dust extraction: 800 m³/hr.*

*may vary according to the treated product

Ergonomic height to access to big bag: 1,500 mm



Standard model



▶ **Anti-overflow tube:** to ensure the containment of product flow during the big bag cuff opening phase and to offer more ergonomics and safety to the operator



▶ **Pulsed vibration:** if the material requires further inducement to achieve a steady flood feed state at its outlet, an electromechanical (or pneumatic) vibrator mounted to the hopper provides additional flow inducement

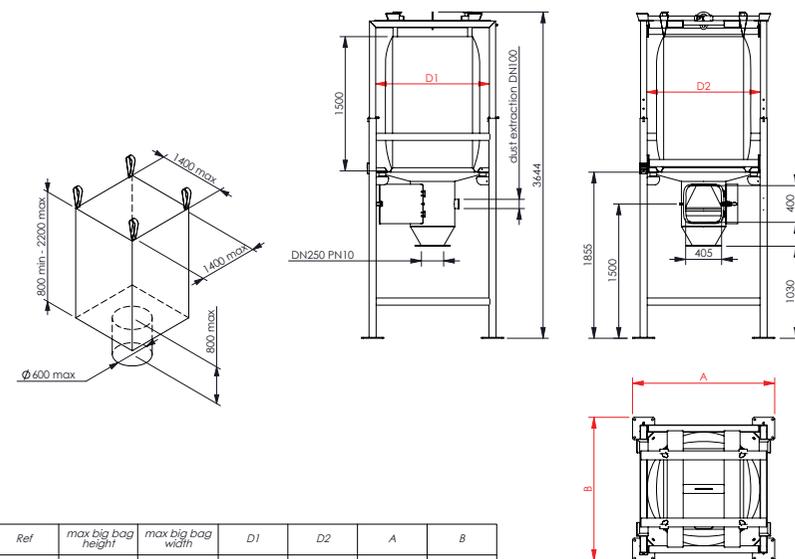


▶ **Frame adjustment of the station:** height adjustment by a manual system of rods. Thus, big bags with any dimensions are admissible on the station



▶ **Rubber seal:** to optimize the containment during the emptying phase (optional)

Advantages



Ref	max big bag height	max big bag width	D1	D2	A	B
VBB125P	2200	1150	1280	1280	1600	1600
VBB150P	2200	1400	1500	1500	1850	1850

Options



Control valve



Dedusting ring

See all our options on page 24

Big Bag Discharge Station

Standard model



Low structure

FIBC standard model with low structure

Narrow width of big bag:

1,250 & 1,500 mm

Rate: 10 to 30 big bags/hr.

Weight capacity: 2 tons/big bag

Objectives: ergonomics & saving

This big bag emptying station enables to unload big bags ergonomically. The big bag can be loaded on the discharge station by using a forklift, an overhead crane... The bulk bag is attached to a bag hanger for raising and positioning the bag into the bag unloader support frame and secured big bag handling operations.

TECHNICAL SPECIFICATIONS

Flow rate: 10 to 30 big bags/hr.

Weight capacity: 2 tons

Structural framework manufacturing: mild steel, 304L stainless steel, 316L stainless steel

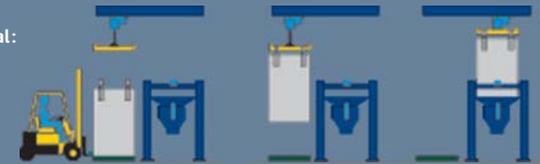
Manufacturing of parts in contact with the material: steel, 304L stainless steel, 316L stainless steel

Installed power: 0.1 kW

Required flow rate for dust extraction: 800 m³/hr.*

*may vary according to the product

Ergonomic height to access to big bag: 1,500 mm



Standard model

Equipment integrated on standard versions (excluding options):

- 1. Big bag implementation** is ensured by your own handling systems (forklift, overhead crane, jib crane...) and by using the big bag handling cross
- 2. Bag hanger with 5 points** allows to set the big bag inner liner. A central hook can be implemented to handle big bag with single handle
- 3. Main tray** ensures the holding of the big bag during the emptying process and secures handling operations
- 4. Sealing skirt:** to optimize emptying operation, a rubber seal is placed on the main tray for capping the bottom of the big bag
- 5. Vibrating motor** ensure the main tray vibration to help the powder extraction
- 6. Unlacing cabinet with dust-proof door** offers a secure and ergonomic access to the big bag spout
- 7. Anti-overflow tube** canalizes product flow into the unlacing box and facilitates the handling of the operator
- 8. Protection screen** ensure powder feeding without foreign body (mesh size 50 x 50 mm)



▶ **Control valve:** this flow regulation system works through two pneumatic cylinders. The operator can stop or regulate the flow of the powder



▶ **Ergonomics:** recommendations should be taken into count during the system design in order to improve operator comfort. The movements at ground level, head, arms... have to be limited

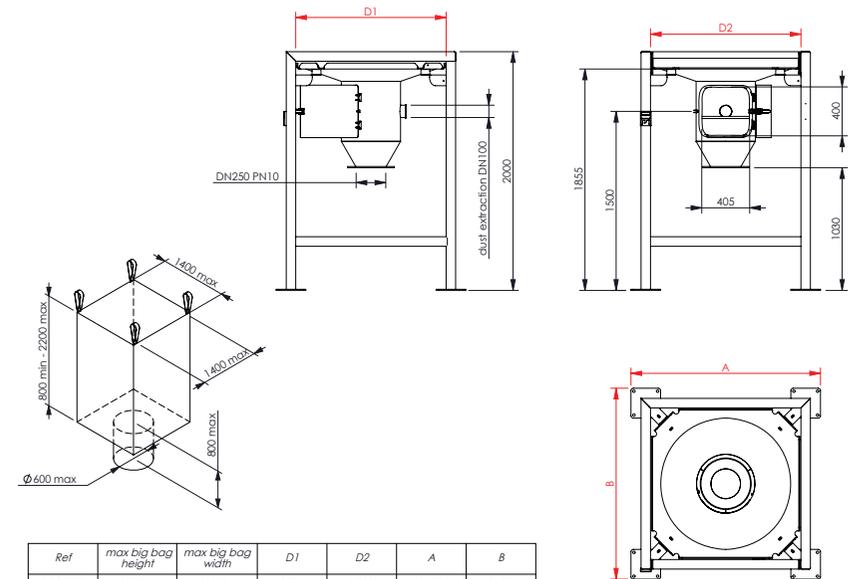


▶ **Material flow:**
Motor: 0.1 Kw
The vibrating plate facilitates powder flowing products extraction



▶ **Containment:** the rubber seal optimizes containment by capping the bottom of the big bag and enables to channel the air flow from dust collector

Advantages



Ref	max big bag height	max big bag width	D1	D2	A	B
VBB 125P	2200	1150	1280	1280	1600	1600
VBB 150P	2200	1400	1500	1500	1850	1850

Options



Commercial dosing and weighing



Massage paddles to aid flow

See all our options on page 24