



Tetra Pak® Big Bag Discharger

Big Bag emptying unit for powder ingredients.



Application

The Tetra Pak® Big Bag Discharger is specifically designed to efficiently discharge Big Bags of free-flowing granulated or powdered ingredients in industrial food production settings. It feeds all types of process line downstream, and the unit is compact and modular for easy integration into any powder handling installation. The design ensures full cleanability, the highest food safety standards, and minimal dust emissions in the working environment. New innovations and clever design ensure operator safety.

Highlights

- Safest and most operator-friendly Big Bag discharging solution on the market
- Highest food safety standards with full cleanability and low dust emission
- Handles all sizes of Big Bags and connections
- Heavy duty, robust construction
- Modular design caters to all production parameters
- Atex-compliant by design

Working principle

The Big Bag is hung on the lifting bar and then safely displaced to be lowered onto the receiving table. The Big Bag spout is tightly fixed to the connection head thanks to an easy-to-use, efficient clamping system. An external connection to a dust extractor is not required. The connection head moves down to stretch the Big Bag spout, ensuring a better powder flow.

The operator workspace is ergonomic and safe thanks to the patented Safety Cage (available as an option when a rotating machine is at the outlet). The vibrating table facilitates product extraction from the Big Bag with no operator intervention required. Devices such as level sensors and load cells allow control status of the product flow if required.

The Big Bag can be removed before it's fully empty by closing it while the product is flowing. An optional clinching system is available on demand. The Big Bag spout is closed by the operator before the final release of the Big Bag. This reduces the amount of residue that can fall out of an empty big bag.

Standard scope of Supply

- Heavy duty hoist
- Compact handling spreader
- Supporting frame
- Vibrating stainless steel table
- Connection head

Additional devices

- Pneumatically assisted connection head
- Massage system
- Closing system
- Level sensor
- Load cells
- Safety cage around connection head

Standard multiple choices

- CE Atex pendant and Non Atex hoist by default
Or full Atex - non Atex - UL certified
- Open profile stainless steel handling spreader by default
Or reduces height version – Baffle bag extension – recover tray add on
- Straight outlet with collar and flexible
Or BFM outlet
- Stainless steel close profile supporting frame by default
Or RAL 9007 Painted carbon steel

On demand

- Reduced height frame 4.7m total minimum
- Massage system
- Open profile supporting frame

Electrical power

Vibrator: 300 W at 220 VAC

Dimensions

Weight: 615 kg (min) to 1 750 kg (max)

For dimensions of Big Bags, please contact your local Tetra Pak representative.

