

# Emptying Big Bag Discharging



- Modular design, easy upgrading
- From simple to fully integrated system
- Custom-made design
- Adaptable to various big bag types
- Safe handling of toxic and explosive powders
- Optimal discharge for bridging and sticky products
- Various levels of containment
- Minimized product loss
- CIP

# Emptying Big Bag Discharging



Dec's Big Bag Emptying Stations are modular. This ensures that they are easily adapted to product characteristics and the appropriate docking systems can be selected, whether the material is non-potent or highly active.

Similarly, depending on the powder flow, specific massaging or delumping units can be provided. Frames mounted on load cells guarantee precise dosing.

A simple connection head with a double tube and a two hand lever mechanism ensures that the big bag outlet spout has a dust tight connection. For primary containment requirements, a Liner Docking Head can be used for contained connection and emptying of standard big bags using a single liner with the side sleeve bag-in-bag-out concept. For higher containment, a DCS

Drum Containment System head can be used providing both primary and secondary containment. If process and safety requirements are more restrictive, the use of the PTS Powder Transfer System\* is recommended rather than emptying by gravity to ensure complete big bag emptying and full dust evacuation prior to disconnection.

## Features

- Big bag emptying by gravity
- Big bag emptying by active transfer via PTS Powder Transfer System\*
- From single station with safety frame to fully integrated stations
- Covering chemical and pharmaceutical design
- Various docking heads depending on powder toxicity

- Containment to nanogram level
- Various construction materials
- CIP
- One single station to fill various equipments

## Options

- Weighing system
- Pneumatically operated massaging units (bottom or side)
- Suction hopper with integrated delumper / fluidization
- Electric or pneumatic chain hoist
- Bag reclosing device
- Combined bag emptying and big bag emptying

\*patented



High containment  
DCS Connection Head



Simple connection head with double tube  
and hand lever mechanism