

Bulk Solids Handling Big Bag Discharge



- Modular design, easy upgrading
- From simple to fully integrated system
- Standard & 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



User Friendly



Contamination Free



High Containment



No Gravity



Explosion Proof

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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.

From the dust-free Single and Double Tube Systems to the high containment DCS[®] docking System, Dec has developed a range of docking systems meeting the different containment and GMP requirements. The choice of the right system strongly depends on the level of containment to be achieved. 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 up to OEB 5
- Various construction materials and loading platforms
- One single station to fill various equipment
- CIP

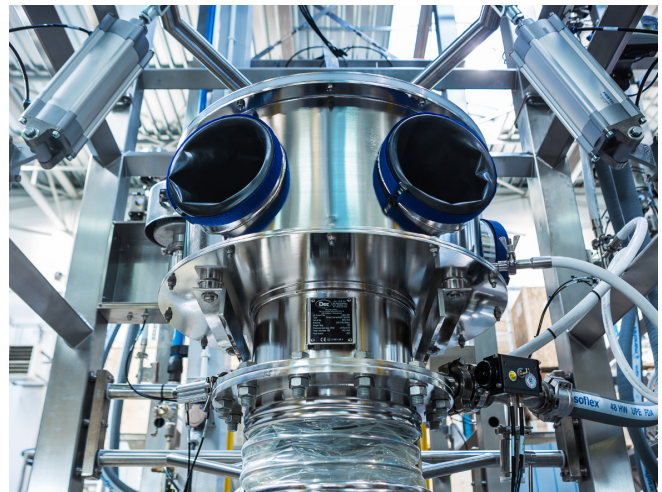
Options

- Top discharge for partial dosing
- Weighing system
- Pneumatically operated massaging units (lower and upper massage)
- Lump breaking LB Hopper with fluidization
- Electric or pneumatic hoist
- Big bag re-closing device

- Big bag and bag emptying
- Crusher
- Protection with side and front covers, light curtain and cage for big bags
- Discharge stretching device
- Breathing filter with deflating function
- Earthing



Patent pending SafeDock Connection Head



DCS[®] Docking System