Sodimate®

Powder handling expert

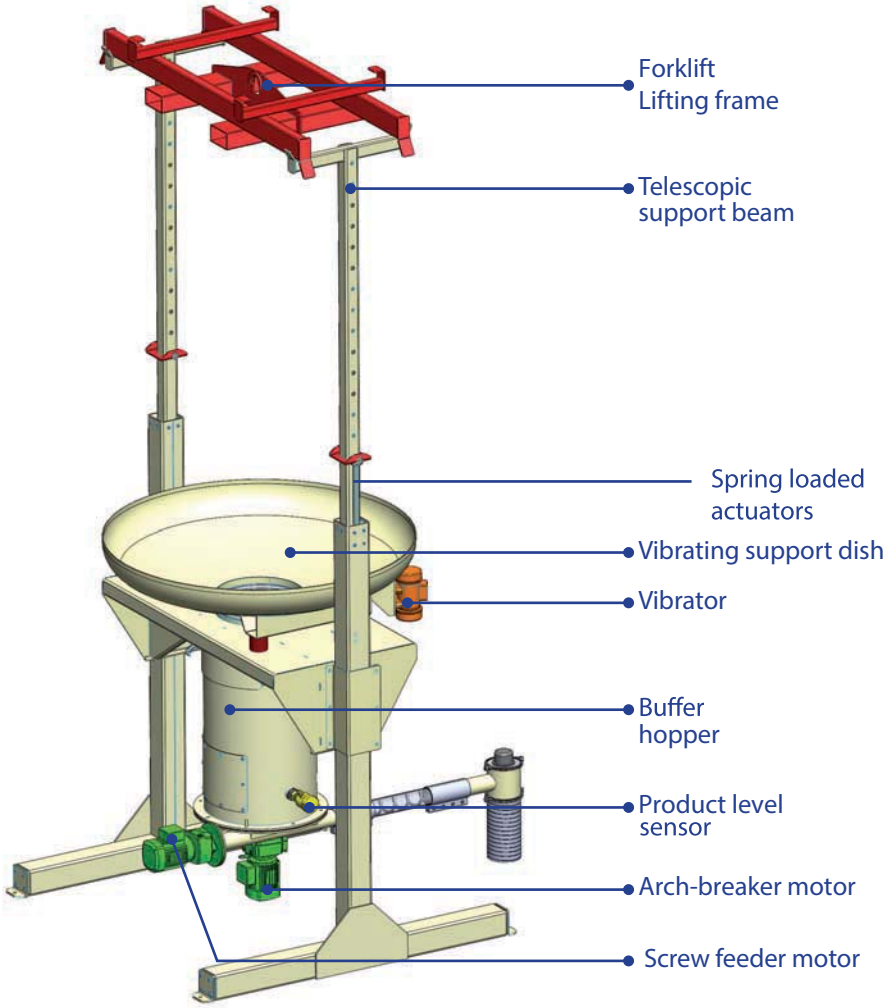
Big Bag Unloader

Wastewater Treatment | Water Treatment | Flue Gas Treatment

Discharger and Feeder for Big Bags / Bulk Bags / FIBC :

The Big Bag Unloader is engineered to discharge up to 2 ton supersacs, ensuring an automatic and complete discharge of the dry chemical without product compaction.

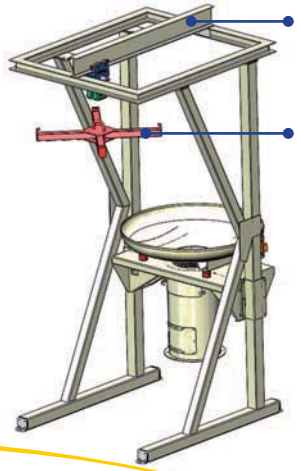
The structure of the unloader can accept big bags loaded by forklift or can integrate manual or electrical hoists.



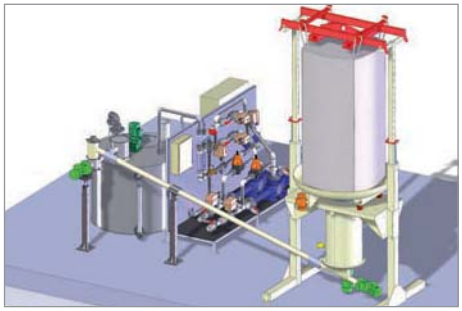
Advantages:

- Compact unit
- Suitable for bulk bags up to 2 tons
- Easy assembly
- Easy-to-use
- Rental units available
- Complete emptying of bulk bag
- Optimized dust control
- Self-loading version available with integrated hoist

Seld-loading version :



Installation Example:



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Operation:

The big bag is supported by two telescopic, spring-loaded arms and loaded on a vibrating dish that only vibrates when the sensor detects a lack of product in the hopper.

This sequence ensures the complete emptying of the bag and signals the operator when it is time to replace it.

The unit also comes equipped with Sodimate's mechanical arch-breaker and volumetric screw feeder. The screw feeder can be flexible or connected to an inclined conveyor to transfer the product vertically to the discharge point.

Products
Quicklime
Hydrated Lime
Powdered Activated Carbon (PAC)
Sodium Bicarbonate
Microsand
Soda Ash
Polymers
Plastic Pellets

Specifications:

- **Fabrication material: carbon steel, stainless steel 304/316**
- **Single or multiple screw feeders**
- **Big bags up to 2 tons**

Options :

- **Isolation diaphragm valve**
- **Dust collector**
- **Big Bag opening knife**
- **Load cells (gravimetric)**
- **Electrical hoist and trolley**
- **Explosion proof unit**

Screw Feeder type	Feedrate *
1½ "	1 ¾ ft^3/hr max.
2 "	15 ft^3/hr max.
3 "	50 ft^3/hr max.
3 ¼"	80 ft^3/hr max.
4 "	130 ft^3/hr max.
5 "	450 ft^3/hr max.

* feedrate may vary according to product and density

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