



Big-bag discharge station

Packaging of powdered products in big-bags is a compromise between bag pallets and bulk storage in silos.

The ESTEVE big-bag discharge station enables you to unload the product manually and without straining yourself with automated transfer (screw/pneumatic) onto mixing or packing lines. It can be integrated in any type of plant, whatever the existing installation, and designed to be integrated in automatic manufacturing processes.

Advantages

- 1. Reduces the number of unloading operations.
- 2. Reduces operators' exposure to the raw materials.
- 3. Gain in space.
- 4. Complete emptying, no residues.
- 5. Dust-proof closing system.
- 6. Unloading in ATEX zone 22 or 21.

Operation principle

The big-bag station is composed of:

- a fixing feature for the loading of the big-bag by forklift truck or electric hoist.
- the extraction feature: simple cone, anti-bridging extractor or vibrating bottom according to the fluidity of the products.

An electric or pneumatic vibrator motor activates the emptying of the big-bag placed on the vibrating receiver. Four silentblocks damp and filter the vibration of the receiver. An access door, fitted with a locking toggle clamp, enables the operator to untie the big-bag and place it onto the inside wall of the receiver.

Where a double liner is used, the big-bag will be fixed to the receiver by means of an inflatable seal.

Some products liable to bridge or with difficult flow, require two anti-bridging devices controlled by pneumatic piston. For partial emptying, ESTEVE can adapt a cable or fork-operated diaphragm valve to reclose the big-bag.

Description

Made of soft steel, with agri-food coating in EPOXY powder. Oven baked at 200°C for perfect draining of the product; or construction in Stainless Steel 304L/316L.