DOSYBAG big-bag unloader

general features

The DOSYBAG unloader is an equipment designed for the controlled unloading of solid products contained in big-bags, including those with low fluidity, such as talc, titanium dioxide, cocoa, etc.

The standard version features a lifting system, electrically or hydraulically operated, which allows for hoisting and positioning the big-bag vertically for emptying. For this purpose, the hoist with a load of between 1,000 and 2,000 kg of force is placed at the top of the equipment, on an extended monorail. In order to facilitate bag emptying, especially when working with products that tend to clump, Lleal complements this system with a discharge module that allows the big-bag to be stretched up and down, and with a vibrating unit installed in the bag support hopper.

Lleal's DOSYBAG unloader also includes a dosing unit, being the most common the screw conveyor, which can be adapted in length and inclination according to the characteristics of the receiving equipment.

Depending on the product to be unloaded and the requirements of the manufacturing process, it is possible to incorporate rotary valves with pneumatic connection in the unloading for dosing and conveying the material to other equipment.

We also offer a version of the DOSYBAG unloader with a transportable cage system, ideal for partial unloading of fluid products, as it allows the big-bag to be removed, even if it has not been completely emptied.

Big-Bag unloader with 1,500 kg electric hoist, feeding an AME-300 extruder kneader.

OPTIONAL ACCESSORIES

» Weighing equipment that allows control of the amount of product extracted from the Big-bag by differential weight, either manually or automatically.

» Bag sleeve closure system, designed in a guillotine form, operated by pneumatic cylinders that allow discharging the big-bag to be interrupted at any time, with the possibility of replacing it with a new one, without spilling the product.

» Additional system for the decompacting agglomerates, hydraulically operated, consisting of a mechanism with two hammers on each side of the structure that hit the big-bag, breaking up possible lumps of product. For greater effectiveness, these mallets can be adjusted to 4 different height points.