

# Big Bag dispenser

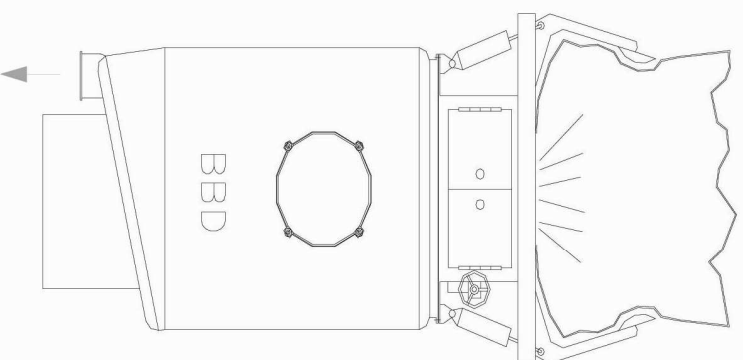


## PROFILE

The **BIG-BAG DISPENSER** is a dosing device for the emptying of big bags which significantly speeds up discharge times and allows dust emissions to be kept under control.

Our **BIG-BAG DISPENSER** assures:

- Elevated protection against dust emissions;
- Drastically reduced Big-Bag emptying times;
- Reduced and simplified maintenance.



Engineering data		
Description	u.m.	Dimension
Volume of dispenser	Lt	1000
Internal diameter of dispenser	Mm	1094
Height of Big-Bag handling device	Mm	500
Height of dispenser cylindrical body	Mm	1250
Height of dispenser	Mm	2370
Overall dimensions plan	Mm	1125 x 1270
Power	kW	2,2



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## DESCRIPTION

### Parts

The **BIG-BAG DISPENSER** consists of :

- A cylindrical vessel with slanting bottom;
- A loading hopper positioned over the top of the vessel comprising a drum fitted with a "gullotine" valve;
- An agitation system with the purpose of eliminating any bridges that may form;
- A dust capture system with final filter (optional);
- The **BIG-BAG DISPENSER** is realised entirely in 316L stainless steel with finely polished (up to Ra <= 0.25 micron) surface in contact with the product.

The automatic devices of the **BIG-BAG DISPENSER** are controlled by PLC which, in addition to regulating the opening of the flap and the motorization of the jaws of the bag, controls the opening by means of the safety micros.

### Operational cycle

The **BIG-BAG** raised by a pulley, is positioned along the vertical plane of the loading hopper where it is set down. A shaking mechanism favours the positioning and discharge of the Big-Bag.

The bottom of which is cut off so as the product held therein can flow out freely. The loading hopper has a slit opening to which an optional powder capture and filtration system may be fitted.

The product loaded into the dispenser, having a manhole for inspection purposes which is closed by stainless steel panels, is released by a discharge outlet tangential to the lowest point of the bottom.

Discharge of the product is facilitated by a rotating blade agitator for the removal of bridges. The emptying times of the Big-Bag are thus accelerated by the use of shaking devices such as vibrators, mobile cradles and lateral arms necessary for the destruction of bridges in the presence of products with an elevated capacity of aggregation. The anti-dust seal on the agitator shaft hinders the deposit of dust in points of difficult accessibility.

The dismantling of the equipment is possible by performing a few simple operations to be carried out by accessing from the purpose-built side door.

### Accessories

- Dispenser support
- Pulley for Big-Bag
- Air extraction system with a bag filter