

Big bag discharger for dust-free emptying of bags using a discharge spout.

BENEFITS

IBC's discharge system for big bags is available in several basic versions with a wide range of accessories, to make it adaptable for all customer needs. All machine systems are designed with high quality and accessibility. IBC has extensive experience in handling bulk products and offers custom-tailored powder handling equipment after dischargers for transport, dosing, sieving and mixing of different types of products.

The dust-free clamping unit is available in both a manual and a pneumatic version. The difference is that the pneumatic clamping unit has automatic bag stretching, while with the manual version the telpher must be raised if the bag needs to be stretched.

- Excellent work environment where the operator is not exposed to dust, thanks to a fully sealed system. Possible applications include foodstuff, pharmaceuticals and others where completely dust-free discharge is required, e.g. when handling toxic substances.
- Prevents contamination of the material.
- Discharges the entire bag contents by spout stretching, bag vibration and/or bag pushers.
- Reseal the bag before the spout is loosened from the clamping unit.
- Evacuate the air so the empty bag is easy and dust-free to handle.



BAGBOY HYGIENE Gen. II type A
 Floor stand (10a) with bag support (4b) and centering arms (1a). Clamping unit (21) for fixing and stretching the discharge spout, controlled from a pneumatic control cabinet (20).



BAGBOY HYGIENE Gen. II type B
 Floor stand (10b) with bag support (4b), bag suspension stand (1b) and yoke for a fork lift or crane (18c). Clamping unit (21) for fixing and stretching the discharge spout, controlled from a pneumatic control cabinet (20).



BAGBOY HYGIENE Gen. II type C
 Crane stand (10c) with bag support (4b), electrically powered chain telpher (17) and lifting yoke (18a). Clamping unit (21) for fixing and stretching the discharge spout, controlled from a pneumatic control cabinet (20).

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BAGBOY HYGIENE GEN. II

Rigging of the discharge spout with the pneumatic clamping unit



The bag discharge spout is passed through the upper clamping unit and over the inner clamping unit.



Using a two-hand grip the discharge spout is clamped.



Bag stretching is activated.



The bag spout is untied and dust-free emptying of the bag is initiated.



By evacuating the air, a negative pressure is created after emptying. The bag spout is closed and the bag can be removed without any risk of dusting.



The bag is then tied, and the two-hand grip is released before the bag is removed.

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Examples of accessories for BAGBOY HYGIENE GEN. II



Iris valve (23) placed under the bag support (4b). Used to easily cut the flow and enables re-closing of the bag.



Fork lift yoke (18c) can be supplied with a bag stretching function, a feature that should ideally be combined with the manual clamping device.



Pneumatic vibrator (6a) ensures a steady product flow. Should be combined with a vibration damper (7) between the bag support and stand.



Electric vibrator (6b) ensures a steady product flow. Should be combined with a vibration damper (7) between the bag support and stand.



IBC standard bag yoke (18a).



IBC low-profile bag yoke (18b). Includes a counter-weight and offers 150 mm negative lift height.



Butterfly valve, sliding valve or rotary valve (8) for controlling the product flow and partial discharge to downstream unit.



Pneumatic pushers (25) facilitate discharge of material from big bag. Mounted on the stand. Adjustable laterally and vertically.



Examples of equipment that IBC offers for all discharge systems

• Screw conveyor • Vacuum conveyor • Pressure conveyor • Vibration feeder • Filters • Rotary valve

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