

Big bag emptier for dust-free emptying of bag with nozzle.

MAFA's emptying system for big bags is available in several basic variants with a large selection of accessories, to be able to be adapted to all customer needs. The systems are built with high quality and availability. MAFA has extensive experience in handling bulk products and offers customized powder handling equipment for transport, dosing, sifting and mixing of different types of materials.

The dust-free clamping unit is available as both manual and pneumatic. The difference is that the pneumatic clamping unit has automatic bag tensioning, while on the manual the hoist must be raised if the bag needs to be stretched.

BENEFITS

- Very good working environment where the operator avoids dust, thanks to an enclosed system. Can be used for food, pharmaceuticals and in other applications where completely dust-free emptying is required, for example when handling toxic materials.
- Prevents material contamination.
- Empties the entire bag contents by socket stretching, bag vibration and / or bag kneading.
- Reseal the bag before detaching the nozzle from the clamping unit.
- Evacuate the air so that the empty bag is easy and dust-free to handle.



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



BAGBOY HYGIEN Gen. II type B
Floor stand (10b) with bag support (4b), bag suspension rack (1b) and yoke for truck or crane (18c). Clamping unit (21) for fixing and stretching of emptying nozzle, controlled from a pneumatic control cabinet (20).



BAGBOY HYGIEN Gen. II type C
Traverse stand (10c) with bag support (4b), electric chain hoists (17) and lift (18a). Clamping unit (21) for fixing, stretching and emptying of the nozzle, controlled from a pneumatic control cabinet (20).

MAFA®

Reservation for typos. See quote for specific conditions. Version May 2017

Rigging of emptying nozzle with pneumatic clamping unit



The bag's emptying nozzle is threaded through the upper clamp unit and over the inner clamp unit.



With a two-hand grip the emptying nozzle is fixed.



The bag stretch is activated.



The bag nozzle is untied and dust-free emptying of the bag starts.



By air evacuation a negative pressure is created after drain. The bag nozzle is tied together and the bag can be removed without risk of dusting.



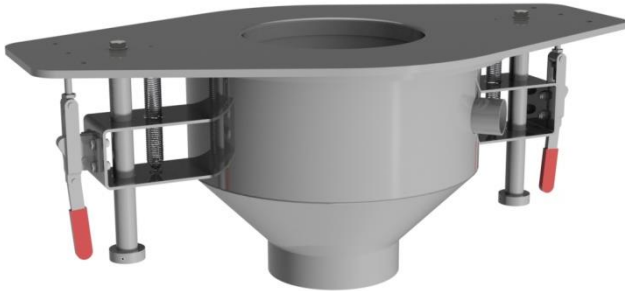
The bag is tied, then the two-handed grip is loosened before the bag is removed.

MAFA®

Reservation for typos. See quote for specific conditions. Version May 2017

MAFA BAGBOY HYGIEN Gen. II

Manual clamping unit



The manual clamping unit is an option for Bagboy Hygiene. It has an enclosed emptying system that minimizes dusting.

The difference between a manual and a pneumatic clamping unit is that the pneumatic has automatic bag tensioning, while on the manual the hoist must be raised if the bag needs to be stretched.

Pneumatic clamping unit



Pneumatic clamping unit for emptying nozzle with automatic bag tensioning.

Both clamping units can be equipped with filters or connected to central extraction, supplemented with cleaning nozzles and extra vibrator for easier cleaning. The whole clamping unit can be removed for cleaning.

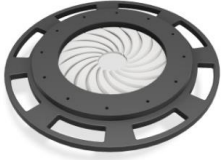


MAFA®

Reservation for typos. See quote for specific conditions. Version May 2017

Phone. +46 (0)43 1-44 52 60 • www.mafa.se

Examples of accessories for BAGBOY HYGIEN GEN. II



Iris damper (23) is placed under the outlet of the emptying bowl (4b). Can easily restrict the flow and enable the re-tying of the bag.



Truck yoke (18c) is available with sack tensioning function and this function is advantageously combined with the manual clamping unit.



Pneumatic vibrator (6a) to ensure even flow. Combined with vibration damper (7) between emptying bowl and stand.



Electric vibrator (6b) to ensure even flow. Combined with vibration damper (7) between emptying bowl and stand.



MAFA standard big bag yoke (18a).



MAFA low built big bag yoke (18b). With counterweight and 150 mm negative lifting height



Rotary damper, sliding damper or rotary feeder (8) for controlling the flow and partial emptying to the subsequent unit.



Pneumatic pushers / kneaders (25) to facilitate material emptying of big bags. Placed on a stand. Adjustable laterally and vertically.



Examples of equipment that MAFA can offer with all emptying systems

• Auger conveyor • Vacuum conveyor • Pressure transmitter • Vibration feeder • Filter • Rotary feeder

MAFA[®]

Reservation for typos. See quote for specific conditions. Version May 2017

Phone. +46 (0)43 1-44 52 60 • www.mafa.se