

Bigbag Filling Master

The Bigbag Filling Master is a flexible system that can complete a wide range of bigbag filling systems, making it possible to meet the various demands in the food, chemical and pharmaceutical industries.

Air-tight powder filling

The Bigbag Filling Master (BFM) is an ergonomic, flexible, effective unit that can be adapted to different types of bigbags with a filling capacity of up to 20 bigbags pr. hour depending on size and product.

The BFM filling station includes an inflatable dust-tight connection to the bigbag inlet spout and the bigbag lifting straps hang on manually adjustable support (forks). This provides good working conditions when handling different types of bigbags. The filling head is designed with an inflatable connection for empty bigbags, evacuation of excess air from powder filling through a filter, cut-off butterfly valve and compressed air cleaning before changing bigbag to avoid powder dust.

The filling head includes lifting strap hooks that can manually/ automatically be adjusted, both in height and width to ensure a correct filling of the actual bigbag. The filling spout on the bigbag is manually placed on the inflatable bellows which, when filled with air, creates a dust-tight connection.

Benefits of the Bigbag Filling Master

- Ergonomic design for better working conditions
- Hygienic design in compliance with EHEDG
- Closed system with low dust emission
- Easy access to operate the system



Technical data

Connections

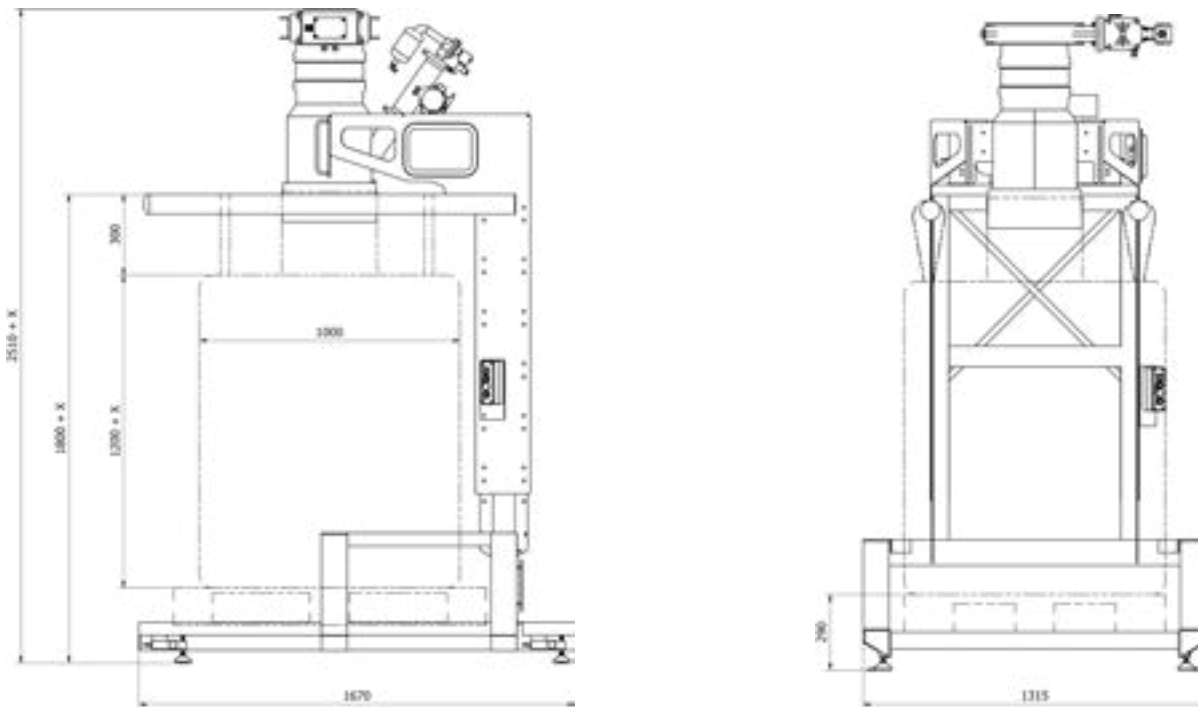
Supply of dry compressed air according to the specifications (typical, up to 7 bar, 2 to 20 m³/h hour, depending on the capacity).

Power supply: 3x400 VAC, 50 Hz + PE

Bigbag size according to EN21898

Volume:	0.5 m ³ to 2 m ³
Height (max):	2200 mm
Lifting straps:	300 mm
Filling spout:	Ø350 - 450 mm

Product drawings



Construction height

X	Indicates variable heights adjusted to bigbag sizes and room height
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Equipment

Standard equipment

- Stainless steel support structure with easy access for adjustment and operation
- Stable support to ensure easy replacement of bigbags
- Forks with rounded edges to secure the straps and ensure easy sliding of the straps during replacement
- Manual/automatic adjusted filling head
- Inflatable bellow on the filling spout
- Filter for evacuated air during filling of the bigbag

Optional equipment

- Automatic rising/lowering of filling head and bigbag lifting strap suspension
- Load cells and weighing computer
- Electrical vibrator bottom plate
- Roller conveyor

- Automatic pallet insertion
- Dust extracting around the filling head
- Working platform
- Fan with connection to the filling head to replace compressed air for filling of the bigbags
- Hopper with functions as a receiver cyclone, weighing hopper or with N₂ addition to the powder
- Stretch wrapping of bigbags
- Dosing device (rotary valve, screw feeder or a vibrator feeder)
- Pulse welding of the bigbag inlet spout
- Sieve, magnet or a lump breaker
- Filling for drums
- Grounding Clamp
- Central PLC control system
- Other ATEX zones