

# OptiFeed BigBag (FPS16)

## Fresh Powder Feed from the original BigBag container

The OptiFeed BigBag FPS16 fresh powder system is designed for conveying the powder from large BigBag containers.

The OptiFeed 4.0 powder pump transports the powder from the original BigBag container to a distance of up to 25 meters.

Equipment technology includes:

- BigBag Lifting
- Suction unit with integrated fluidization
- OptiFeed 4.0

Key advantages of the OptiFeed 4.0 at a glance:

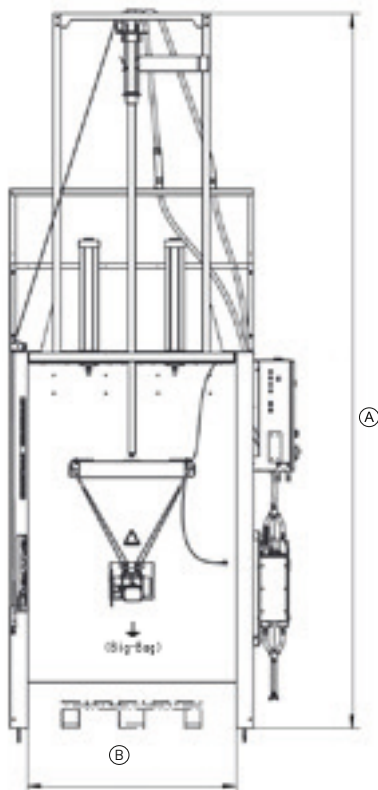
- Conveying of large quantities of powder across long distances and different height levels
- Gentle conveying of powder with minimal air flow
- Cleaning program in suction and conveying direction
- Wear part monitoring
- Suitable for organic and metallic powder
- Option to connect to superior control systems
- Easy to put into operation

Powder flow detection:

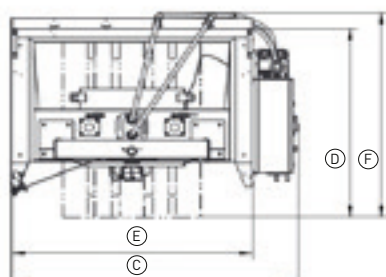
The powder transport is monitored by the powder flow detection during the conveying procedure. If during a powder requirement by the level sensor no or too little powder flows through the conveying line within a defined time, this will be recognized by the installed sensor within the OptiFeed 4.0. This powder shortage actuates an automated up/down movement of the BigBag.



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FPS16	
A	4000 mm
B	1200 mm
C	1670 mm
D	1260 mm
E	1400 mm
F	1460 mm

## Technical data\* OptiFeed BigBag (FPS16)

Max. load:	500 kg
Base area:	800 mm x 1200 mm
Height:	1360 mm
Powder output:	< 8 m = 6 kg/min 8-16 m = 4.5 kg/min 16-25 m = 4 kg/min
Compressed air input pressure:	6 - 8 bar
Compressed air consumption:	12 Nm <sup>3</sup> /h for each OptiFeed 4.0 0.5 Nm <sup>3</sup> /h for lifting procedure 0.5 Nm <sup>3</sup> /h for the suction unit fluidization
Compressed air quality:	max. water vapor content 1.3 g/m max. oil content 0.1 mg/m <sup>3</sup>
Nominal Input voltage:	3 x 400 VAC + N + PE
Frequency:	50 / 60 Hz
Input power value (connected load):	300 VA
Applicable powder:	Organic
Powder remaining quantity:	5% of the BigBag content
Safety note:	Due to accident risk and depending on the placement of the fresh powder system, the safety barriers have to be placed in accordance to the local regulations

\* The indicated conveying performance are reference values. Possible deviations are dependent on the powder, powder type, conditioning and powder transportation distance.

## Configurations

The OptiFeed Big Bag (FPS16) can be equipped with one or two OptiFeed 4.0 pumps. The controls and pumps can be mounted optionally on the left, right or at the back.

Gema Switzerland reserves the right to make technical changes without notice!