KBF SERIES

KBF-1030

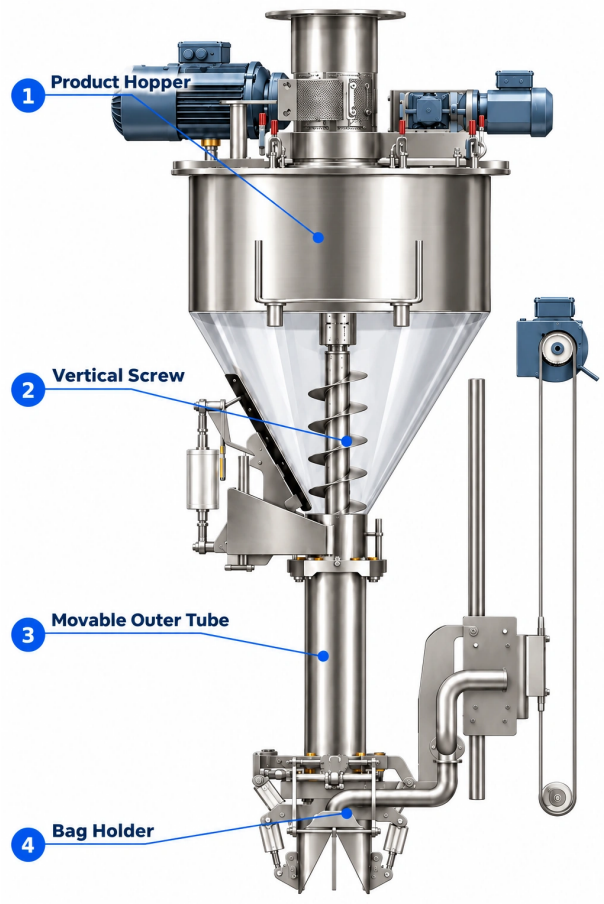
Bottom-Up Powder Filling System

Controlled bottom-up filling for fine, sticky and air-entrained powders.



CAPACITY	BAG WEIGHT	BAG DISCHARGE
Up to 300 bags/hour	**10–50 kg**	**Forward-transfer bag discharge**

Product Overview



KBF-1030 is a single-head bottom-up powder filling system with forward-transfer bag discharge. It is designed for fine, sticky and air-entrained powders requiring controlled filling, Product Deaeration and dust containment during bagging.

CAPACITY

Up to 300 bags/hour

APPLICATION RANGE

Glucose • Milk-powder-like products • Sticky powders • Air-entrained powders

BAG MATERIALS

Paper, PE, and woven PP bags

Four core advantages

01 Bottom-up filling

Helps reduce product free fall, dust escape and air entrapment during filling.

02 Controlled filling

Transitions from high-rate feeding to fine dosing as the target weight is approached.

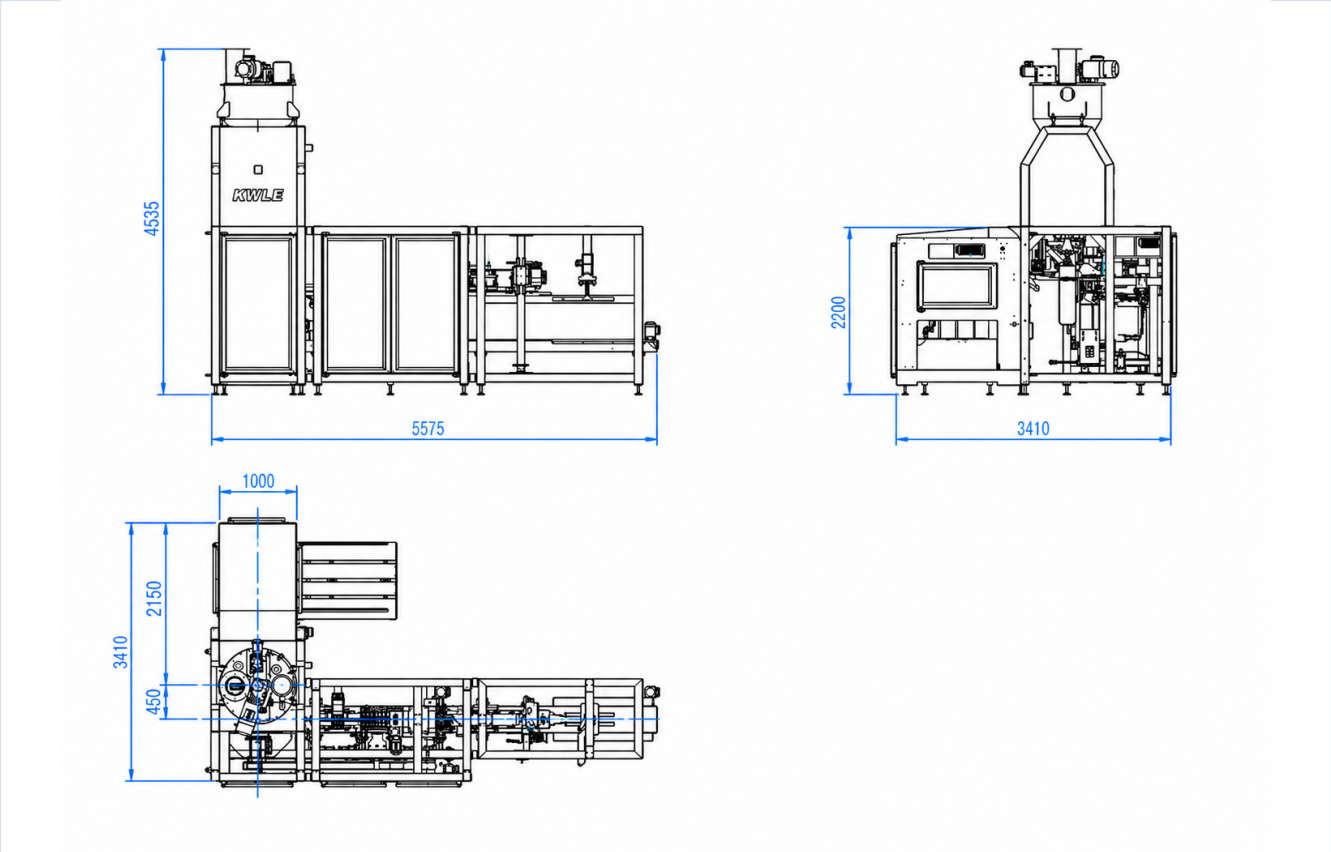
03 Product Deaeration

Product Deaeration and Bag Mouth Air Removal help reduce entrained air and improve bag shape.

04 Dust containment

The filling and bag-holding areas can connect to dust collection to help reduce dust leakage.

Typical Configuration Dimensions



Technical specifications

CAPACITY
Up to 300 bags/hour

FILLING TYPE
Bottom-up powder filling

FILLING HEADS
Single-head filling

BAG TRANSFER LAYOUT
Forward-transfer bag discharge

BAG WEIGHT RANGE
10–50 kg

CONTROL SYSTEM
PLC-based control system with operator interface

BAG MATERIALS
Paper, PE, and woven PP bags

BAG LENGTH
550–1150 mm

BAG WIDTH
380–580 mm

POWER SUPPLY
380/400V, 3PH, 50Hz (other voltages available)

AIR SUPPLY
5.5–6 bar compressed air

Configuration & support

Optional configurations

- Product Deaeration
- Secondary dosing
- Coding / printing interface
- Bag Mouth Air Removal
- Full stainless steel construction
- Quick adjustment for bag sizes

Main component configuration

Filling spout, controlled feeding system, weighing system, bag holding arrangement, forward-transfer discharge and PLC-based controls are selected to suit the application.

Service support

KWLE supports equipment selection, installation guidance, commissioning coordination, operator training and ongoing technical service according to project requirements.

Line integration

KBF-1030 can be integrated with conveying, bag closing, check weighing, metal detection, palletizing and pallet load covering equipment when required.

Configuration & performance disclaimer

Final configuration and performance depend on product characteristics, bag specification, target weight, feeding method, deaeration requirements and complete line layout. All project data is subject to engineering confirmation.

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