Rotary Bag Filler

GEA Avapac
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Overview

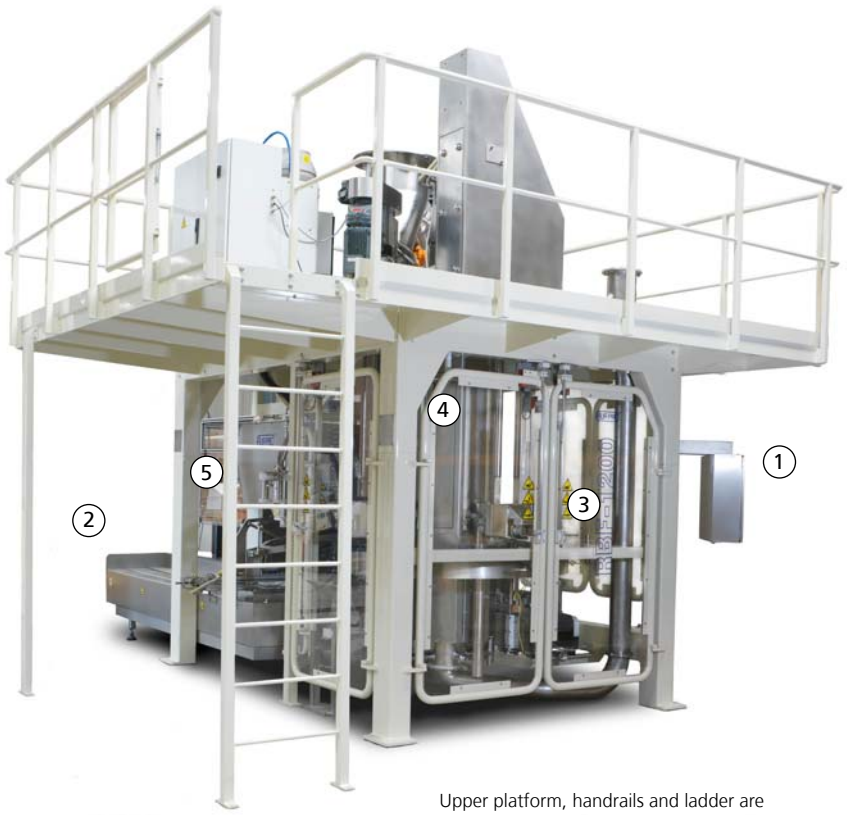
The AVAPAC™ RBF (Rotary Bag Filler) range is designed to pack a wide variety of products at high filling rates.

The RBF range features a bottom-up filling system which maintains a constant distance between the outlet of the filler tube and the top of the powder in the bag. By doing this, the displacement of air is kept to a minimum and the resulting dust emissions are dramatically reduced over more conventional systems.

This makes the AVAPAC™ range of fillers very clean and safe in operation and the reduced product losses through better dust control mean greater product yield for our customers.

PLC control with touch-panel operation allows complete control of the packing line from the filler, whilst multiple product configurations held in the control system take care of a wide variety of packing parameters for multiple products.

All RBF product contact parts are constructed of stainless steel, making them ideal for both dairy and food ingredient products.



Upper platform, handrails and ladder are optional items

1. Large Easy to Read Operator Panel
Convenient location for all weight and machine control

2. High Capacity Bag Presenter
Reduces operator intervention time and improves efficiency

3. Convenient Location of Operator Controls
Provides a more efficient operation of the filling process

4. Multi-stage Filling
Provides high throughput at high accuracy for maximum customer payback

5. Optional Product sampling
Enables powder quality samples to be taken for testing

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Design Objectives

- To be integrated in fully automated bag packing lines, or alternatively to work as a stand-alone unit as part of an existing downline system.
- High filling rate whilst ensuring best accuracy.
- Reliably pack a wide range of products for both food and non-food applications.
- Handle a wide range of open mouth bag sizes and types.
- Automatic bag presentation.
- Compliance with hygiene standards.
- Provide integrated and extensible control for other equipment in a bag handling plant.
- Ease of operation and maintenance.

Features

- Robust structural steel frame.
- Stainless steel product contact components.
- Single powder inlet connection.
- High filling capacity and weighing accuracy.
- AVAPAC™ bottom-up filling system.
- Integrated dust control.
- Extensible PLC control for additional line components.
- Powder sampler (option).
- Modified Atmosphere Packing option (CO_2 and N_2).

Standards

- Compliance with the Hygiene EN 1672 – 2 : 2005
- 3A Standards & USDA requirements
- CE compliant
- AUS & NZ MAF Regulations

Bag requirements:

- Length = 750-950mm; width = 480-600mm
- Multi-wall Kraft paper bags with PE internal liner;
- Bag over powder = 250-300mm

All performance data achieved under test conditions with standard packaging materials.

All specifications and dimensions subject to revision without notice.

GEA

Process Engineering

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