**Objectives:** manual and completely tight connection

**Easy Conditioning of Bulk and Powdered Materials**

The IBC Containers® filling station offers the main expected functions regarding the transfer by gravity of your materials. This station has been designed to meet the "connection and filling" demand. It was designed to ensure a completely tight filling of Intermediate Bulk Containers. The system provides a fully contained transfer of your material in the container to avoid any loss of product.

**Station**

- **Control cabinet**
- **Sack dump system with glove box**
- **Belt conveyor (Sacks feeding)**
- **Filling head**
- **Sack compactor**
- **Access platform**
- **Container**
- **Slide gate valve**

**Technical Specifications**

The filling system is adapted to materials that are not fragile, at low flow rate and to enable an easy centering of the filling head on the container.

**Sack dump system dedicated to an accurate filling of containers**

This container filling station is specially designed to perform the conditioning of premix. The ergonomic sack dump system ensures a tight connection without interference by the container weighing. The container is placed on a scale in order to ensure control of the introduced weight. The pre-weighed materials are mixed then.
TO GUARANTEE A SECURED AND HYGIENIC FILLING OPERATION

This container filling equipment allows automatic and contained transfer of bulk materials without systematic intervention of an operator to remove or set up the docking tray. The automatic filling of PALAMATIC PROCESS containers significantly reduces the operator’s level of exposure to potentially dangerous materials. This automated system was designed to provide a high standard of hygiene, safety, ease of cleaning and maintenance.

Discharging valve

Flexible connection to avoid weighing interferences

Stainless steel container

Discharging valve

Flexible connection to avoid weighing interferences

Stainless steel container

Pneumatic cylinder

Dedusting with double casing tube

FDA antistatic telescopic tube with metal spirals

Lifting eyes

Sealing with inflatable seal to avoid any dust emanation and product loss

Dust cap seal to ensure containment and to allow high flow rates

Double casing

Fake lid with inflatable seal for total containment

SPECIFICATIONS

The container filling system is positioned under your hopper. It consists of a telescopic tube and a docking tray. The docking of the tray is provided by two pneumatic cylinders that ensure a tight connection. The control of the connection system is carried out by the operator. Depending on the treated material, the filling head can be fitted with an inflatable seal which closes the top lid to avoid any dust emanation during the filling process. Degassing is ensured by the double casing tube.

OPERATING MODE

1. The filling head is ready to cover the container
2. The filling station is connected with the container by means of telescopic connecting sleeve (food grade manufacturing)
3. The transfer of the material into the container is carried out by gravity
4. The filling head comes off the container

Advantages

Container Filling Station

Automatic Version

Ex

AVAILABLE CUSTOM MADE

wwwabi-powder-containercom/equipments-containers/container-filling
Download videos & layouts from our website
**AUTOMATIC DOSING AND FILLING**

*Customer:* Manufacturer of facade coating  
*Materials:* Pigments  
*Installation details:*  
The container, set on a motorized track, is positioned under the different dosing devices according to the batch recipe. The containment is performed by a dedusting ring also avoiding weighing interference.

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**DOsing BElow TWO BIG BAG UNLOADING SYSTEMS**

*Customer:* Alloy manufacturer  
*Products:* Metallic powder  
*Installation details:*  
The 1,200 litres IBCs, manufactured from 304L stainless steel, are fitted with a butterfly valve. Two FIBC unloading systems are equipped with a lump breaker and a dosing screw to guarantee the filling of the IBC. The weighed roller conveyor ensures the handling and the dosing accuracy.

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**EASY DOSING AND CLEANING**

*Customer:* Food spices packing  
*Materials:* Spices, curry, paprika  
*Installation details:*  
This process enables the collection of spices mixings and their sieving before the conditioning phase. All the materials are processed by a rapid change of the screen.

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**PREMIX PREPARATION**

*Customer:* Induction on canvas  
*Material:* Premix  
*Installation details:*  
The VARISILIT® automatic sack discharging system, that is a part of the PALAMATIC PROCESS range, ensures the discharging of the premix. The container is automatically positioned by a motorized conveyor under the discharging system. The deconditioned powder falls by gravity into the container. A dedusting unit ensures a healthy working environment.