

Container Discharging Station

Ex AVAILABLE CUSTOM MADE

Container Discharging

Technical Characteristics

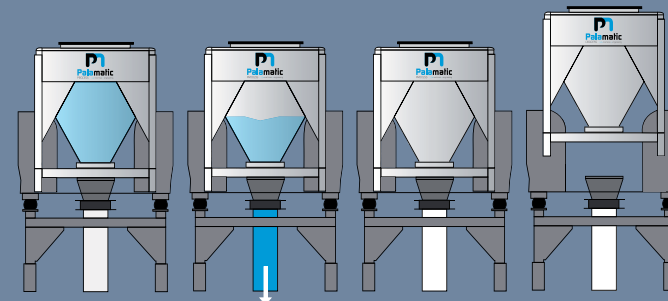
Capacity: 2 tons
Objectives: Containment and optimization of the flow when emptying containers

CONTROLLED DISCHARGE OF YOUR POWDERY MATERIALS

The emptying system for IBCs is designed to convey your powdery materials to your production line in an efficient and hygienic way. From manual to fully automatic discharge of containers, the results achieved by our customers are numerous: increase in flow rate and productivity, improvement of integration controls, reduced operating costs in terms of manpower and product loss or complete unloading of containers without contamination of your materials.

TECHNICAL SPECIFICATIONS

Manufacturing: steel, 304L and 316L stainless steel
Containment: dust cap seal or inflatable seal



TIGHT CONNECTION



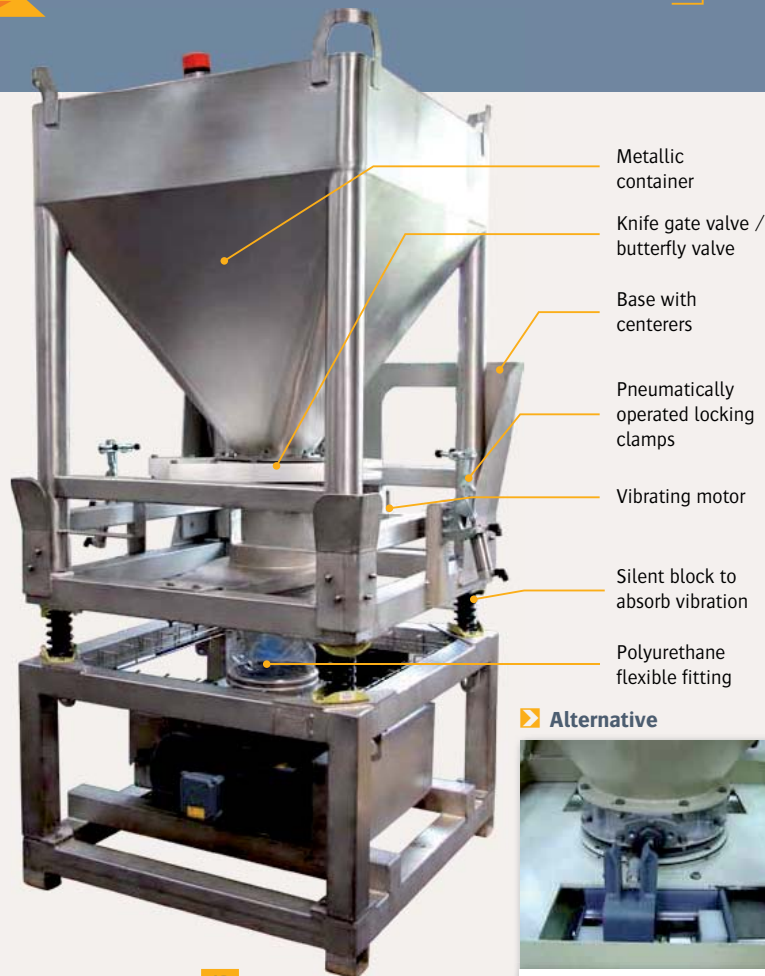
With dust cap seal



With inflating seal



With pressing plate



Alternative



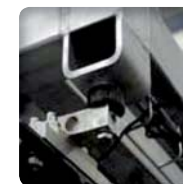
The opening of the valve can be performed automatically



Vibration: electric vibrator and springs



Pneumatic clamping system



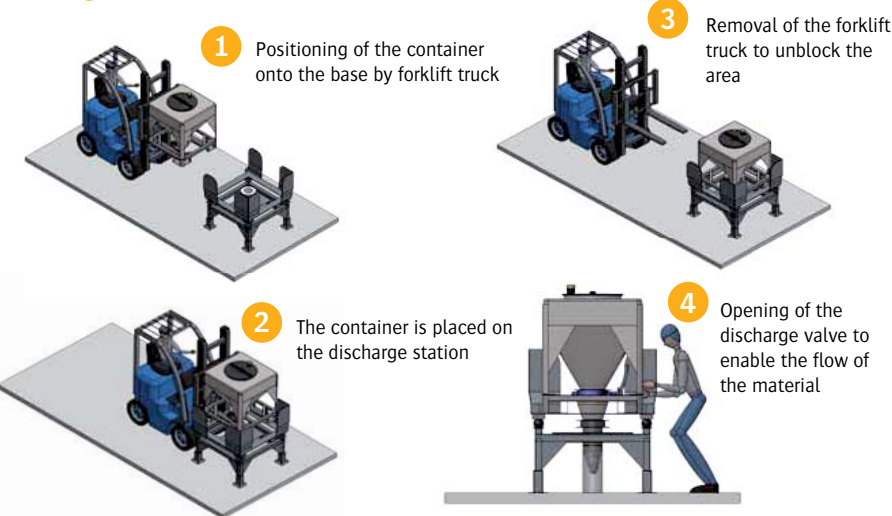
Weight cells to control the dosing



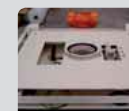
Dust cap seal to ensure the tightness of the connexion

Advantages

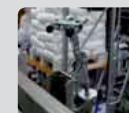
OPERATING MODE



Options



Vibrating table



Flanging clamp

Container Discharging

Examples of Installations

▶ WATER PROCESSING STATION

Client: Sewage treatment plant

Material: Aluminum sulphate

Installation details:

Aluminum sulphate is packaged in containers to facilitate handling and provide maximum containment.

The skid includes a 1,000-litres container, an automatic dump station with the integration of a dosing screw.



▶ Location of the water treatment plant

▶ PREPARATION OF BORIC ACID

Client: Nuclear plant

Material: Boric acid

Installation details:

The whole installation is composed of two complete and autonomous skids.

The first skid incorporates a sack deconditioning system for filling containers.

The second skid ensures the emptying of containers in a confined manner and enables the dosing of boric acid in the dilution reactor.



▶ FEEDING OF THE MIXER

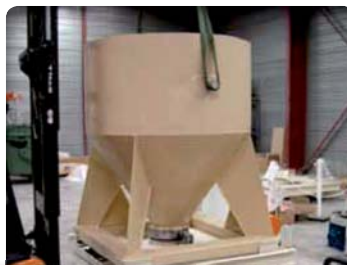
Client: Welding material

Material: Metal premix for welding

Installation details:

The high capacity containers are automatically filled below the dosing devices of raw materials.

After the packaging operation, the containers are automatically emptied above the powder mixer.



▶ FOOD MIXTURE

Client: Food factory

Materials: Flour, chocolate, sugar,...

Installation details:

Containers of raw materials are placed above the mixer to ensure automatic dosing with no operator's intervention. According to the materials, the discharging systems are fitted with vibrators and pneumatic hammers. Load cells built in the dump station ensure the compliance with the recipe.

