

# Containers

# Steel - Stainless steel



## Technical Characteristics

**Capacity:** 500 - 2,000 liters  
**Objectives:** conditioning and conveying bulk materials without damage or contamination

### STORAGE AND CONDITIONING SOLUTIONS FOR MATERIALS WITH HIGH HYGIENIC CONSTRAINT

IBC Containers® stainless steel containers are metallic conditioning solutions for the transportation, storage and dosage of your powdery and granular products. Our containers are designed to meet performance, ergonomics and design requirements.

### TECHNICAL SPECIFICATIONS

REUSABLE CONTAINER FOR UNLOADING OR DOSING OF POWDERY MATERIALS

**Manufacturing:** steel, 304L stainless steel, 316L stainless steel

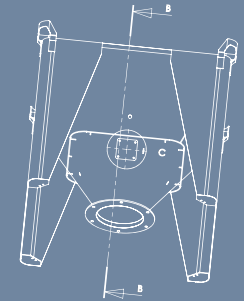
**Finishes:** RAL 9006, blasting, electro polishing, mirror polished, teflon coating

**Maximum sizes of containers**

**Length x Width x Height:** 1.204 x 1.204 x 2.417 mm.

### HANDLING

- . Forklift truck, stacker and pallet truck
- . Can be handled with a hoist
- . Stackable
- . Discharge and filling with appropriate facility



Steel - Stainless Steel IBC



Three level stacking (depending on container dimensions)

62° slope hopper to increase product flow

Secured butterfly or slide gate valve

Welded lifting eye for overhead handling

Fluidization: vibrator to facilitate the material flow (optional)

Container base Handling by forklift, stacker and pallet truck

Handling by 4 sides



Corrosion resistance to harsh environment (chemicals, textiles, petroleum...)



Positioning brackets for stacking the containers



Sealing: no dust emanation thanks to tight connections



62° slopes to ensure the flowing of the materials when discharging

## Advantages



### STANDARD MODELS OF THE RANGE

Models (butterfly or knife gate valve)	IBC 500	IBC 800	IBC 1000	IBC 1200	IBC 1500	IBC 1800	IBC 2000
Water volume in liters	500	800	1,000	1,200	1,500	1,800	2,000
Base dimensions in mm.	1,204 x 1,204	1,204 x 1,204	1,204 x 1,204	1,204 x 1,204	1,204 x 1,204	1,204 x 1,204	1,204 x 1,204
Overall height in mm.	1,374	1,567	1,717	1,867	2,067	2,314	2,417
Outlet Ø in mm.	250	250	250	250	300	300	300

Interior mirror polished finishing as an option

### USES



Agrochemicals



Agrifood



Chemicals



Petrochemicals



Paints and dyes



Pharmaceuticals and cosmetics

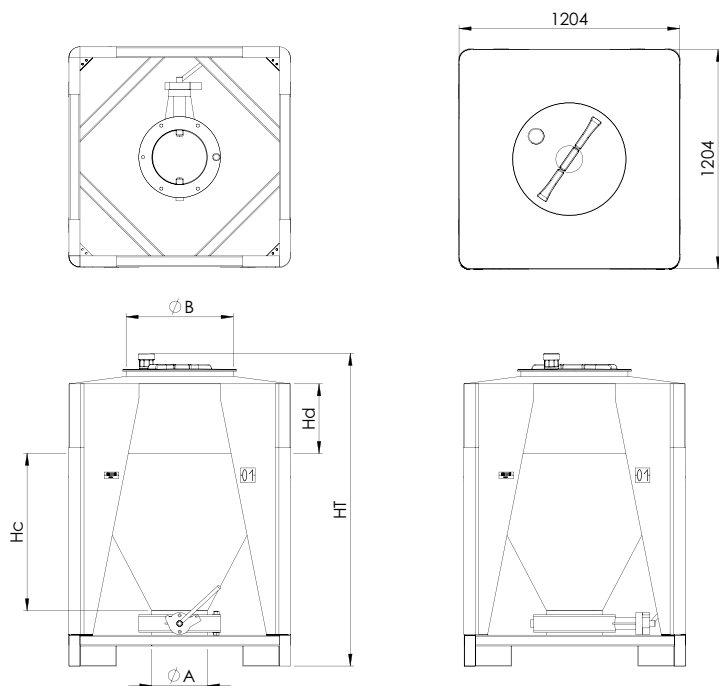


Fragrances and flavorings



Nuclear

### ▶ INTERMEDIATE BULK CONTAINER DIMENSIONS



Models	Water volume (in litres)	Working volume* (in litres)	Empty weight (kg)	Ø A	Ø B	Hd	HT	Hc	Slope
IBC 500	573	474	215.5	300	575	0	1,374	864	62°
IBC 800	908	778	238	300	575	232	1,567	864	
IBC 1000	981	850	250	300	575	382	1,717	864	
IBC 1200	1,343	1,211.5	264	300	575	532	1,867	864	
IBC 1500	1,632	1,501	283	300	575	732	2,067	864	
IBC 1800	1,909	1,803	306.5	300	575	980	2,314	864	
IBC 2000	2,138	2,007	316.5	300	575	1,082	2,417	864	

\*The working volume is provided for information purposes depending on the product material angle of repose

Faced with various industrial constraints, the PALAMATIC PROCESS engineering office offers customized container solutions to meet the needs of its customers. Their design can be simple or sophisticated depending on the nature of the powders to handle. IBC containers are at the center of PALAMATIC PROCESS powder handling system. Designed for rapid operations of filling and discharging with cleaning systems, containers are used to simultaneously implement manufacturing process for optimum production.

PALAMATIC PROCESS containers are adequate solutions for:

- Transport safety of materials in complete between every stage of production process, without any risk of cross contamination
- The transfer of material from the container to the downstream process equipment without dust emanation
- Easy handling of containers that can be moved by forklifts or hoists



Example of «custom made» container with introduction hatch





## ▶ BUTTERFLY VALVE

**The butterfly valve allows the regulation of the material flow.**

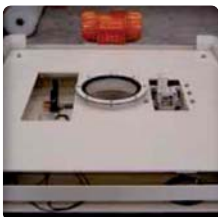
The actuation of the butterfly valve is carried out manually, with a lever or a steering wheel depending on the diameter of the valve.



## ▶ KNIFE GATE VALVE

**The knife gate valve is a closing and isolating valve resistant to dust and granules.**

The diameter of our knife gate valves can be adapted to any type of container.



## ▶ AUTOMATIC DISCHARGE VALVE

**For efficient discharge of your industrial container.**

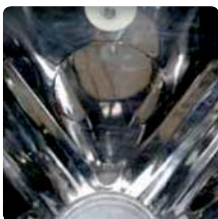
Containers associated with automatic discharge stations and fitted with knife gate valves can be remotely opened thanks to pneumatic actuators. A vibrating structure can be added to ensure the end of the discharge and optimize the descent of the powders.



## ▶ CUSTOM MADE

**Dimensions and manufacturing materials on request.**

For complete customization of your equipment according to your environment, and treated powders. PALAMATIC PROCESS offers you the opportunity to design your equipment and your complete custom made process line in partnership with our engineering department.



## ▶ MIRROR POLISHED OR TEFLON INTERIOR COATING

**For optimum flow of your materials without adherence to the walls.**

Interior Teflon coating or polished mirror finishes of the containers are options that prevent the adhesion of your materials to the walls during the discharging operation.



## ▶ CONTAINER IDENTIFICATION PLATE / RFID CHIP

**Enables simple and efficient identification of your containers.**

This tracking system allows, in real time, to trace the containers and all the ingredients throughout the production process. It helps to reduce the risk of human error and offers the security of a quality manufacturing process.



## ▶ STAINLESS STEEL FINISHES

Depending on products to be treated and environments, we offer steel, 304L and 316L stainless steel manufacturing.



## ▶ MULTIPURPOSE HANDLING BASE

**To facilitate the handling of containers.**

Containers are handled via a pallet truck, a stacker, a forklift truck or a hoist.



## ▶ VIBRATOR / VIBRATING BIN AERATOR

**They facilitate the flow and the discharging of stored products.**

These vibrators allow the introduction of nitrogen or air to ease the flow of the material by fluidizing it.



## ▶ BALANCING VALVE

**Valve for evacuation and introduction of air according to the use of the container.**

The valve balances the pressure for the filling and discharging phases of the container.