

# IBC Rack

Unit for storing and discharging Intermediate Bulk Containers (IBC)



## APPLICATION

IBC racks are simple steel structures to support and increase the positioning height of intermediate bulk containers, allowing them to empty by gravity.

A typical application is storing concentrates to be used for the base of beverages.

## HIGHLIGHTS

- IBC racks are inclined to improve draining of IBCs by gravity
- Hoses are fully integrated into the CIP cycles
- Specially designed levelling plates for adjusting to floor gradients
- Drip trays to collect liquids leaking during hose changeover

## WORKING PRINCIPLE

IBCs can be positioned by a forklift truck onto the rack where they stand on weighing cells. The weighing cells monitor the level inside each container and facilitate discharging them directly into a recipe. A flow plate principle allows the containers to be switched efficiently and enables cleaning of the connecting pipework.

## MAIN COMPONENTS

- Main framework for placing Intermediate Bulk Containers
- Includes a flow plate for changing from discharge to CIP mode
- Set of hoses for connection to IBC
- Set of manual and pneumatic valves
- Weighing cells integrated into frame to monitor the weight of the IBC contents

## CONTROL PANEL

Delivered without control panel

## OPTIONS

- Feeding with hopper for sacks
- Feeding with Big-Bag discharge
- Feeding directly by truck

## EXAMPLE LAYOUT

Measurements on request

Because our IBC rack can discharge by gravity, the height of the framework can be adjusted according to customer needs. The exact positioning depends on the density of the product inside the IBC and the flow required to send the product to the plant.



## TECHNICAL DATA

Available in different sizes depending on beverage recipe. All parts in contact with the product are made of AISI 316L. Framework is made of AISI 304L.

Our standard arrangements contain the following number of containers:

- 2 containers
- 4 containers
- 6 containers

Other arrangements are available on request.

Media specifications: Any  $\leq 200$  cP media viscosity

Compressed air: 600 kPa (6 bar)

