

## Accessories (Emptying) Suction Hoppers



- Specially designed for operation with the PTS Powder Transfer System®
- Optimal discharge of process equipment
- Low dust formation
- Low height requirements
- Safe operation
- For lumpy and sticky powders
- Simple, compact
- Prevents bridging
- Low energy consumption



Cost Effective



Time Saving



Modular



Easy to Clean

# Accessories (Emptying) Suction Hoppers



Mounted directly on the outlet of the equipment to be discharged, the Suction Hopper improves the emptying of any kind of equipment.

It is available in any range of size. Depending on the powder characteristics (lumpy, wet, non free-flowing etc.) the design of the hopper can be adapted.

## Design

- AISI type 316L stainless steel, electro-polished
- DIN or ANSI flanges
- Standard flange sizes from DN200 to DN400
- Outlet tubes according to PTS size
- Standard motor size of 1.5 kW

## Features

- Evacuation of lumpy, compacted or sticky powders
- Direct discharge of dryers, centrifuges, containers, big bags, etc.
- Prevents bridging
- Provides a homogeneous powder
- Simple, compact
- Low noise emission
- Low dust formation
- No powder degradation
- Connects to any process equipment
- Ideal for wet powder
- Integrated fluidization cone optimizes flow
- Directive 94/9/EC (ATEX95) and the European standard EN-13463 risk analysis
- Certified for Ex zone 1/21

## Options

- Various materials available (Hastelloy, coated, etc.)
- Special flanges available
- CIP
- Dosing possibilities
- Different lump breaking tools
- Very low height design

## Hopper types

- Standard Suction Hopper
- LB Hopper
- Fluidization Hopper
- LB Fluidization Hopper

## Standard Suction Hopper

The hopper is designed with a special discharge angle allowing full emptying of the equipment. The size is adapted on one side to the equipment to be discharged and on the other side to the required PTS model. The standard hopper is equipped with a fluidization filter allowing an optimal control of the powder flow.



## LB Hopper

LB Hopper in combination with the PTS Powder Transfer System® is the ideal solution for evacuating lumpy or compacted powder without changing its characteristics. It is equipped with a tool which breaks bridges and lumps to provide a constant powder flow. The system with its limited height is easily installed directly at the outlet of existing equipment such as dryers etc. with limited head space.



## Fluidization Hopper

The hopper is equipped with a fluidization cone constructed of a special porous material. The product flow of sticky or non freeflowing powders is optimized by compressed gas which flows through the pores of the cone. Inert gas can be used in case of flammable products.



## LB Fluidization Hopper

When handling very lumpy and bridging products, Dec supplies the fluidization hopper that includes a lump breaking tool.

