



- A Lid
- B Storage hopper
- C Conveyor outlet
- D Metering conveyor
- E Arch breaker blades
- F Arch breaker motor
- G Conveyor motor

Introduction

The ZFP/DM model is a mechanical discharge and metering unit for powders stored in bulk. It can be fitted under any bottom hopper.

The storage capacities can be from 50 litres up to 10 cubic metres. It caters for outputs from a few l/h up to 15 m³/h according to the product.

Its design provides many possibilities :

- material (mild steel, stainless steel, PEHD)
- fixed or variable throughputs
- single or multiple metering conveyors, rigid or flexible
- numerous discharge diameters (350, 500, 800, 1000, 1250 mm)

Principle

The model ZFP/DM includes a discharge hub fitted with flexible blades auto-adjustable. This assembly is rotated continuously while metering.

The span of the blades varies depending upon the resistance imparted on them by the product, this resistance causing them to bend. It ensures a constant flowing of product into the metering conveyor.

The conveyor, fully saturated, delivers a precise and constant volume of product by spiral rotation.

It can convey the product over 0,5 m to 10 m, according to the output and the product, with curve and elevation.

Advantages

Mechanical discharge, without air or vibration, therefore without contamination or compaction.

Low power consumption.

Totally sealed and dustproof, quiet in operation.

Ease of installation with flexible conveyor.

Applications

Sack-emptying hopper

Buffer hopper

Discharge from Big-Bag or container

Sodimate

Arch breaker & metering unit ZFP 500/DM