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|------------------------------|-------------------------------|
| A Geared motor | G Conveying spiral |
| B Inlet chute | H Coupling clamp |
| C Spiral fixing screw | I Tube |
| D Coupling sleeve | J Outlet chute |
| E Quick release clamp | K Anti blockage switch |
| F Closing plate | |

INDROTUCTION

The device DM is a conveyor to handle powder materials. It is located underneath the metering conveyor and transfers the dosed product to the end point with the same accuracy.

The conveyor can be configured in elevation.

The conveyor type and the maximum length depend on the product it is handling and the throughput required.

Range of conveyor : 1 to 20 meters. Several conveyors can be joined together as a continuous transfert.

PRINCIPLE

The device DM is made up of a tube included an inlet chute which receives the dosed product, an outlet chute fitted with an anti-blockage switch and a spiral.

The spiral which handles the product is rotated at a fixed speed.

Compared to the metering spiral which works by saturation, the conveyor DM is made in the view to working 30% full. It allows greater lengths of handling more than a metering unit.

In case of variable throughput, the conveyor DM is calibrated to ensure a regular flow of the product from the minimum throughput to the maximum without changing the rotation speed of the spiral.

ADVANTAGES

Mechanical discharge, without air or vibration, there fore without contamination or compaction.

Totally sealed and dustproof.

Direct handle without buffer hopper.

No preventive cleaning.

Low power consumption.

Ease of installation, adjustable length.

Ease of control.

Allow easy sampling test.