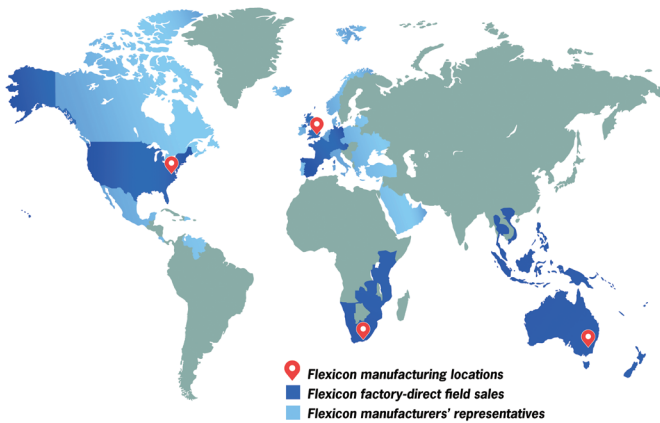




Manual Dumping Station for Flexible Screw Conveyors

J-0201



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Manual Dumping Station for Flexible Screw Conveyors

Collects dust created during manual dumping operations

Flexicon's Manual Dumping Station with integral flexible screw conveyor (also known as a helix conveyor, screw conveyor, spiral conveyor or auger conveyor) collects dust created during manual dumping of powder and bulk solid materials from bags, boxes, drums and other containers. The unit is intended to reduce material waste and eliminate the need to clean a remote dust collection site, while protecting workers and preventing plant contamination.

It features a high velocity vacuum fan that draws airborne dust from the operator's atmosphere onto two cartridge filters. Automatic reverse-pulse filter cleaning allows continuous, efficient operation; timer activated solenoid valves release short blasts of compressed plant air inside cartridge filters causing dust build-up on the outer filter surfaces to fall into the hopper.

Filters are accessed easily by removing the interior baffle, and replaced rapidly using quick-disconnect fittings.

The flexible screw conveyor handles free- and non-free-flowing bulk materials ranging from large pellets to sub-micron powders, including products that pack, cake, seize, smear, fluidize, break-apart or separate.

The system is available mounted on frames with boom and casters for in-plant mobility, and is constructed of carbon steel with durable industrial finish, or stainless steel finished to industrial, food, dairy or pharmaceutical standards.

Hoppers are also available configured for connection to pneumatic conveyors or process equipment.



Filters are accessed easily by removing the interior baffle, and replaced rapidly using quick-disconnect fittings.



Timer activated solenoid valves release short blasts of air inside cartridge filters causing dust build-up to fall into the hopper. The hopper shown is configured for direct connection to a flexible screw conveyor. Other configurations allow connection to pneumatic conveyors or other conveyors and process equipment.

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