

Vac-U-Max

Case History

Ready-to-Operate Pneumatic Conveyors Economical Alternative to Manual Materials Handling

Short delivery times and quick installation make VAC-U-MAX's general purpose Mid-Range Conveyors quick alternative to manual materials handling of dry bulk ingredients in applications from bakery to industrial chemicals.

Whether transferring product to packaging equipment or delivering bulk powders to processing equipment from drums, bags, totes or cartons, VAC-U-MAX's ready-to-operate Mid-Range pneumatic conveying systems are a quick fix for speeding up production schedules, solving ergonomic challenges and keeping dust to a minimum.

VAC-U-MAX, pioneer in vacuum pneumatic conveying, VAC-U-MAX specializes in the design and manufacture of pneumatic systems and support equipment for the conveying, weighing, and batching of dry materials.

Focused on providing its customers with economical solutions to add automation to their material handling processes, the conveyor manufacturer used its expertise in materials handling to design an off-the-shelf system to fit some of the most basic pneumatic conveying applications.

With short delivery times of less than 4 weeks, these self-contained pneumatic conveyor packages, available in two sizes, include a vacuum producer mounted on the side of a filtered material receiver body, control panel, cover with cleaning filter mechanism, a wand, 15 feet of hose, and provisions for mounting over a discharge point. These plug and play systems, which only require mounting and a connection to a power source and plant air, can be operational within a half day.

Ideal for fine powders and granules up to 40lbs per cubic foot, the receiver configuration and ample discharge openings of the Mid-Range Conveyor system enhance material flow transferring up to 3000 pounds per hour. For higher volumes of product a larger complete system that can transfer up to 5000 pounds per hour is also available.

Automating the transfer of high volumes of materials with pneumatic conveying systems protect against injury costs by removing the need for heavy lifting, scooping and



climbing. With this system, a pick up wand is inserted into materials containers and sucked to the receiver unit providing a cleaner healthier environment by eliminating messy dumping or mishandling.

To further streamline materials handling from bulk and semi bulk bags, pairing VAC-U-MAX's Bulk Bag Unloader with the self contained Mid-Range Conveyor provides an economical method of discharging contents in their entirety without excess dust and product loss. Bulk bags can be placed in the bulk bag unloader by forklift, hoist or crane from floor level. An integral hoist on a monorail can be furnished if desired. Because of the bulk packaging, the cost per

pound of materials is lower. In addition, handling costs in receiving, storing and discharging the materials are substantially lower.

In addition to lowering materials handling costs, pneumatic conveyors contribute to increased production—in some cases 30 hours per year—due to reduced downtime for maintenance. With pneumatic conveyors, there is virtually no maintenance or cleaning necessary because they have few moving parts; whereas, other types of conveying systems with 20 or so moving parts require monthly preventive maintenance.

Manufactured either of carbon steel or of 304 stainless steel, VAC-U-MAX Mid-Range Conveyors are a low cost approach to add automation, expand a product line, reduce dusts, or enhance ergonomics.

To learn if ready-to-operate conveyors fit your application or how VAC-U-MAX pneumatic conveying systems can improve efficiency, ergonomics, preserve product integrity, or reduce costs, write to them at 69 Williams Street, Belleville, NJ 07109; call 1-800-VAC-U-MAX (800) 822-8629 or (973) 759-4600; e-mail info@vac-u-max.com; or visit their website www.vac-u-max.com.

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