

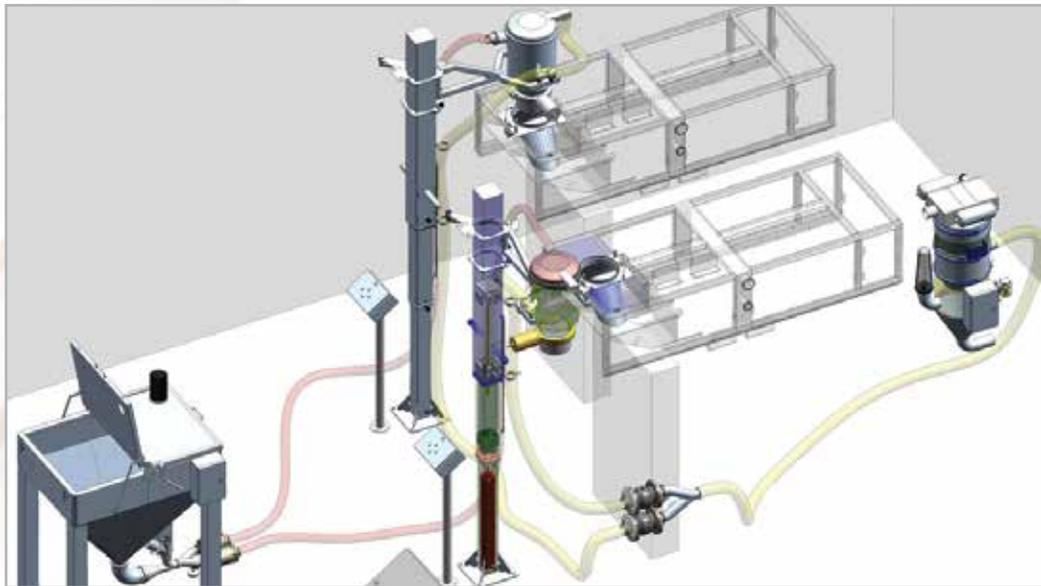
# Tablets and Capsules

**Volkmann vacuum conveyors are ideal for the transfer of tablets and capsules to mixers, packers or fillers from:**

- Drums
- Bulk Bags
- IBCs
- Gaylords

**And we can do it:**

- Cleanly
- Gently
- Damage Free
- Within a Contained OEL



The loading of tablets and capsules into filling and bottling machines has become increasingly important in the pharmaceutical and nutraceutical industries due to the rise of production outsourcing to contract manufacturers. Volkmann's PPC range of vacuum conveyors is uniquely qualified to address the specific challenges of operator exposure and avoiding product damage that arises in loading tablets and capsules.

Just consider, Volkmann's PPC range of conveyors:

- Are true cGMP designs.
- Feature one-piece bodies, split butterfly discharge and unique filters.
- Transfer product under vacuum, easily achieving product containment. In the unlikely event of a leak, air is drawn into the process - material is not blown out. When coupled to specially designed rip and tip bag stations, or IBC unloading units, this contained transfer results.

Dense phase and low velocity conveying, achieved by the Volkmann Multijector® vacuum pump, avoids the impact damage often associated with typical lean phase pneumatic conveying systems.



PPC 170 conveyor during testing in our test facility.



## WHY VOLKMANN?

- VACUUM CONTAINED
- FLOOR LEVEL LOADING
- DRUMS, BOXES OR 2000 LB BULK BAGS or IBCs
- DEDUSTING OPTION DURING TRANSFER
- HIGH QUALITY FILTERS
- DUST AND DAMAGE FREE
- cGMP DESIGN
- "PLUG AND CONVEY"
- NO TOOLS CLEANING
- SUPERIOR FILTRATION, WITH 3µ AS STANDARD AND HEPA OPTIONS
- ALL PNEUMATIC OPERATION
- ATEX CERTIFIED FOR EXPLOSION APPLICATIONS
- MODULAR DESIGNS
- LIGHT WEIGHT PUMPS

# Quality Vacuum Conveying Systems for 30+ Years

VOLKMANN vacuum conveyors are the first choice for safe and hygienic powder handling.

## Energy Efficient

Volkman Multijector® vacuum pumps use the Venturi principle to generate vacuum. Unlike single stage pumps, they create energy efficiency with their reuse of generated air as it passes through a series of Venturi in multiple stages. This process provides a greater level of vacuum, down to 27" Hg, and high airflows.

The pumps are lightweight, quiet and use up to 50% less compressed air in any given application than their competitive single-stage units.

In addition, Multijector pumps can be turned on and off without fear of damage to the unit, offering more efficiency than electrical pumps restricted by the number of starts and stops allowed per hour.

## Gentle Transfer

Whenever tablets or capsules are transferred, the issue of damage is a potential concern. Inevitably, this is complicated by the need for quick product changes as production needs dictate. Volkman conveyors address these issues in the following ways:

- Our Multijector vacuum pump is highly adaptable, allowing the handling of a wide variety of tablets by the same unit.
- The ability to adjust the inlet air volume and associated vacuum level allows the velocity of transfer to be carefully controlled.
- We offer a range of semi-automatic unloading devices to ensure a consistent flow of tablets or capsules to the conveyor, thereby providing controlled parameters for the conveying cycle.

## Flexibility of Design

All Volkman conveyors use modular designs to adapt to the particular requirement. Variations in filter area, type of material entry to the receiver, pump size and specification, discharge flange connections and the incorporation of flow aids are all available. The same modular concept allows the attachment of drum, box or IBC unloading.



Conveying of dust, powder, pigments, flakes, granulated material, tablets, capsules, small parts, etc.

**Special designs are available to fulfill the demands of the Chemical, Food, Pharmaceutical and Pigment industries.**

### Suction out of/from...

- Hoppers
- FIBCs
- Silos
- Drums
- Bags/liners
- Dryers
- Cutting machines
- Floors
- Molds

### Feeding directly into...

- Mixers/blenders
- Filling machines
- Tablet presses
- Weighing hoppers
- Reactors
- Sieves
- IBCs
- Bag fillers
- Drums
- Silos

