



# Vacuum Conveying in the **CHEMICAL** Industries

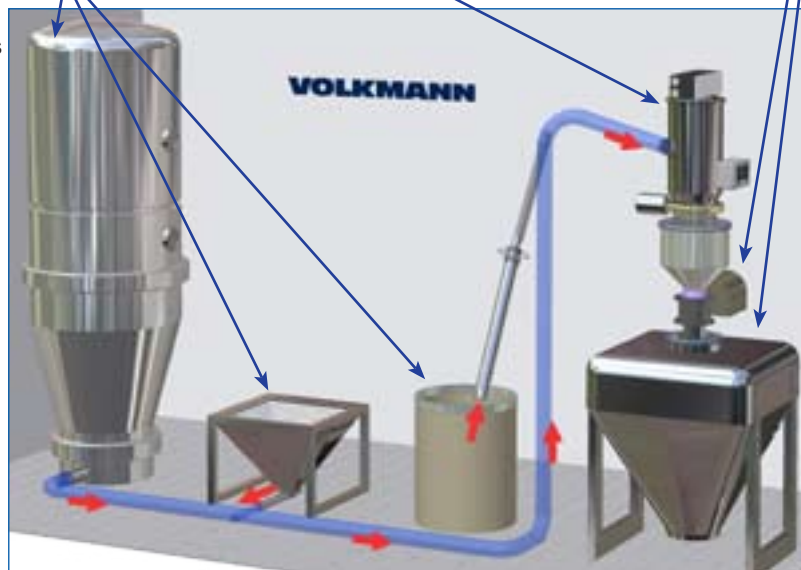


**Aspiration, Suction, TRANSPORT and Loading/Feeding of Powders, Dusts, Granules, Tablets, Fibres, Capsules, Flakes, Pellets and all kind of bulk materials.**

### Suction from / discharging of

- Hoppers
- Big-Bags / FIBCs
- Silos
- Bags
- Bins
- Trays
- Dryers
- Sieves
- Cutters
- ...

### Vacuum Conveyor



### Product supply / feeding into

- Stirring vessels / Reactors
- Filling machines
- Weighing containers
- Sieving machines
- Mixers
- Tablet presses
- Capsule filling machines
- Big-Bags
- Casks
- Silos
- Loss-in-weight feeders
- Volumetric feeders
- Centrifuges
- ...

## Advantages - Your Customer Benefit

- **Transfer of ALL kind of bulk materials, conveying even of difficult powders & bulks**
- **Dust free POWDER TRANSFER in a closed vacuum system**
- **Increases Health & Safety in production plants**
- **Fully ATEX certified by German TÜV, free of ignition sources**
- Capacities from 10 kg/h to 8000 kg/h, transporting distances up to 100 m, up to 50 m in height
- Small, lightweight, silent, easy installation, easy to clean
- Purely pneumatic – no mechanical friction
- Gentle Vacuum-Plug-Flow conveying, no segregation / separation
- Suitable for multiple-purpose transport, mobile installations possible
- Modular for individual configurations
- Hygienic design (FDA, GMP, WIP, CIP...)



# VOLKMANN

# VOLKMANN Vacuum Conveyors inside CHEMICAL Industries



Transfer of metal powders with bulk densities up to max. 10 kg/dm<sup>3</sup> with Vacuum Conveyor.



Loading of a reactor with a Pressure Rated INEX (Inert) Vacuum Conveying System. Discharging into an EX zone 0.



Conveying of dye pigments. Loading of a stirring vessel with a double-valve INEX powder lock under a VR450.



Conveying of activated carbon and other chemicals for waste water treatment. Vacuum Conveyor with electric powered Vacuum Pump.



Discharging of drums with inliner by manual suction lance. Transport of chemical powders with two VR315.



Loading of a silo with iron sulphate powder. 5000 kg/h with VR450, 40 m overall distance, 15 m height.



Conveying of construction materials and additives with a VR450 and with an external Vacuum Pump.



Big-Bag and Sack-unloading station with lump breaker. Feeding of resins and chemicals into the Vacuum Conveying line.



Powder Transfer with a 10 bar pressure rated INEX (Inert) Vacuum Conveyor into a pressurised reactor.



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