



**VACUUM-CONVEYING
SYSTEMS & SOLUTIONS**
for the handling of powders





Vacuum Conveyors
VOLKMANN VS

The star of the vacuum conveyors because of its unique modular design. The VS series is used in all industries where bulk materials are conveyed. Small and lightweight they come with many options to choose from to fulfill the demand for a high quality conveyor at an economic price and with quick delivery times (typically 2-3 weeks from the factory).

We configure all VS Conveyors to give the highest benefit for the production process and assist in finding the best suitable solution for the application on the basis of know-how, our product database or custom tests with the particular material.

VOLKMANN VS-Standard Vacuum Conveyors

Your Benefits:

- State of the art Filter technology
- no compacting of the powder within the conveyor
- easy product discharging, full bore opening
- capacities from 100 to 10.000 kg/h
- purely pneumatic powered systems with failsafe controls
- electrical Vacuum Pumps upon request
- valves/fittings/instruments/controls according to your instructions



Vacuum Conveyor VS350 feeding a Multihead Weigher with spices.



Vacuum Conveyor VS200-F1: 400 mm high, weight 14 kg (including pump/control), conveying capacities up to 350 kg/hr.



QX Filter assemblies and cartridges (pat.pend.): Double sealing for double safety and hygienic design. Choice of filter materials and filtration areas/filter lengths. Filters for sub-micron materials (e.g. dye pigments, toner powder) available.

Vacuum Conveyor VS: Proven reliability, in thousands of applications.

Vacuum Conveyors VOLKMANN PPC



PPC170K with special discharging adaptor module, for the feeding of powders directly into a tablet press



PPC pneumatic pharma conveyors

from Volkmann were especially developed for all applications requiring top quality materials, surfaces and characteristics of all parts in contact with the conveyed materials. They are mainly used inside Pharmaceutical and Color/Lacquer industries because of their separator elements being built in a one-piece design; an optimum for such applications with frequent product changes requiring a quick reliable absolute cleaning of the Process machinery to prevent contamination of products. PPCs superior manufacturing quality and their gap-free design fulfils highest quality demands. Nevertheless, units are easily dismantled without tools, can be cleaned quickly and can be sterilized.

The design is completely electrical conductive, free of gaps, without any inaccessible spaces where the product might remain. PPC conveyors are fitted with a large butterfly valve at the discharge. This too can be easily dismantled without tools.

PPC Vacuum Conveyors are offered as pre-configured units regarding the individual application. They are available in the diameters 170, 250, 315 and 450 mm. Customers choose from a variety of Pharma or electrical conductive filter systems (e.g. for the feeding of products into Zone 0 (Typically Class 1) of reactors). Special coatings or clamp modules are available upon your request.

Four standard sizes: Ø170, 250, 315, 450 mm

One-piece separator container:

AISI 316 L, electro-polished or mirror polished, Ra < 0,8 µm (< 0,5 µm), free of gaps, all accessible

cGMP design, lightweight, easy to handle, for perfect assembling/disassembling by hand without tools and optimum cleaning, particularly durable for long-life operation.

Absolute minimum of parts in contact with the conveyed product

Filter modules for quick change operation, long lasting and cleanable filters, sintered FDA-approved HD-PE material, stainless steel filters, PTFE coated cartridges, HEPA filters available.

Conveying capacities from 100 kg/h up to 6 t/h

Lightweight and easy to clean butterfly valves at the product discharge, all metal parts with product contact in AISI 316 L

All new PPC Conveyors are ATEX certified in accordance with directive 94/9/EG for the installation inside Zones 1, 2, 21 and 22. EC-type examination certificate No. TÜV 02 ATEX 7005X.

For safe operation special terms/conditions apply.

[Ex] II 1 D c 80°C / II 2 GD c 100°C (T4)



VOLKMANN PPCs are WIP/CIP-ready

We designed our PPC conveyors to meet CIP requirements (CIP = Clean in Place). We customize the conveyors on the standardized PPC platform technology and add all the individual accessories according to your special needs.



**Essential for hygienic material transfer:
VOLKMANN PPCs for cGMP applications.**

Volkmann stands for engineering and bespoke fitted products. We design solutions in close cooperation with our customers worldwide. Talk to us and take advantage of our solution based on many years of experience in the chemical, pharmaceutical and food industries.



Germany VOLKMANN GmbH
Schloitweg 17
59494 Soest (Germany)
Tel. +49 (0) 2921 96040
Fax +49 (0) 2921 9604900



+48 668 625 820
info@atbgroup.pl
www.atbgroup.pl

Conveying tests and on-site demonstrations

Volkmann and our partners would like to demonstrate more of the world of vacuum conveying. We have test facilities available in Soest, Germany, and in most of our international partner companies, where clients can see our conveyors in action. Furthermore, we encourage "hands on" experience on all equipment. Conveying tests and further ongoing evaluations can be undertaken as a special additional service either onsite or in our labs. A complete test summary and quotation are provided for the suitable system. Ask for our 'Test Pack' documents to start the process toward better and safer material handling.

Seminars and Customer training

Would you like to know more about vacuum conveying and special applications? Contact us and ask for industrial seminars, training and company workshops tailored to your needs. We give you and your team the basic tools that you can see the areas in your plant where and how vacuum conveyors could increase production quality and safety: increase your production profit and save money by using Vacuum Conveyors from VOLKMANN.