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Vacuum Powder Transfer System

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Vacuum Powder Transfer System

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Vacuum Powder Transfer System Feature

- ◆ Vacuum Conveyor conveys materials by the compressed air
- ◆ Simple structure, small size, low noise
- ◆ Moveable structure as optional item
- ◆ The other advantage of this powder system is the ease of the implementation of the weight control
- ◆ It is ideal vacuum conveying equipment for conveying powder, granules material, tablet, capsule, etc
- ◆ Simple installation, easy operation, no leakage and no dust during transportation process



The vacuum cyclone may be located on loading cells allowing the vacuum and feeding of the conveyed product

The pneumatic conveyor gearbox can also be replaced with a vacuum pipe handled by the operator

This type of pump for powder is generally associated with weighing. Indeed, the hopper of departure may be located on load cells and a purge valve is shutting off product flow ensuring management of the fall

On the contrary, the cyclone of reception can be implemented on load cells in order to extract from different points the right amount of product needed in the preparation of the premix

All these vacuum conveying systems can be mounted directly under sacks unloading stations, big bags unloading units, containers, silos

Vacuum Powder Transfer Systemr Function

- ◆ It can connect with hammer mill, tablet press machine, capsule filling machine, packing machine, grinder, vibro sifter, etc
- ◆ Vacuum conveying
- ◆ Dosing of the conveyed product
- ◆ Weighing/Metering



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**Vacuum Powder
Transfer System** PRODUCT

Vacuum Powder Transfer System Advantage

- ◆ Provides a dust-free, contained transfer of material
- ◆ Extremely gentle to the material during transfer
- ◆ Vacuum Conveying Systems are highly reliable
- ◆ Very low maintenance and easily cleaned
- ◆ Quick and simple installation and control
- ◆ cGMP and hygienic design
- ◆ Very small footprint compared to mechanical transfer systems

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Vacuum Powder Transfer System PRODUCT



Vacuum Powder Transfer System Advantage

- ◆ Can be 100% air powered for hazardous environments
- ◆ Weighing of the bulk material
- ◆ Simple system
- ◆ Simple piping that can be modified in the future
- ◆ Pressure and suction conveying
- ◆ Technologically mature pipe layout
- ◆ Customized engineering
- ◆ Robust technology for continuous operation free of interferences

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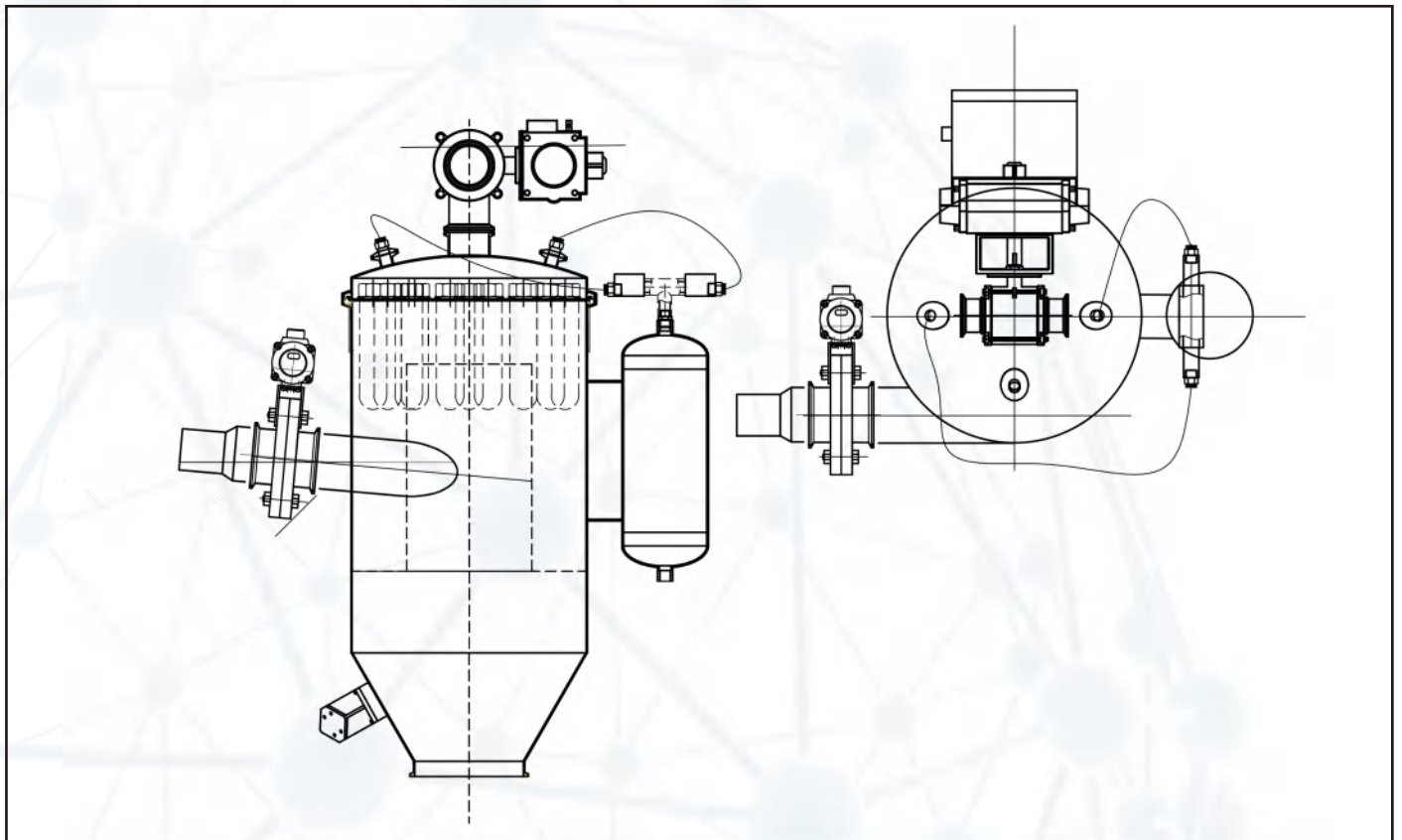
Vacuum Powder Transfer System PRODUCT



Vacuum Powder Transfer System Application

- ◆ Conveying and transfer
- ◆ Blending
- ◆ Inline milling
- ◆ Loading and unloading
- ◆ Sifting
- ◆ Agro chemical (organics) industry

- ◆ Chemical industry
- ◆ Food industry
- ◆ Pharmaceutical industry
- ◆ Sugar industry
- ◆ Plastics industry
- ◆ Minerals industry
- ◆ Construction industry



Vacuum Powder Transfer System Specification

Technical parameters

Model		SVP180	SVP250	SVP320	SVP430
Vacuum generator model		SVG100	SVG200	SVG400	SVG800
Compressed air pressure	Pressure	0.5~0.8Mpa	0.5~0.8Mpa	0.5~0.8Mpa	0.5~0.8Mpa
	Consumption	0.4m ³ /min	0.8m ³ /min	1.8m ³ /min	3.6m ³ /min
Delivery capacity		0.1~0.3T/h	0.3~0.9T/h	0.9~2.2T/h	2.0~4.0T/h
Filter		Ti07 imported filter element, PE-HD filter element, Ti sintered filter element			
Filter effective area		0.3m ²	0.3m ²	0.9m ²	1.8m ²
Suction nozzle diameter		DN25	DN50	DN75-50	DN100-75或DN100
Diameter of blanking port		φ150mm	φ150mm	φ200mm	φ200mm
Effective volume of silo		5L	12L	22L	50L