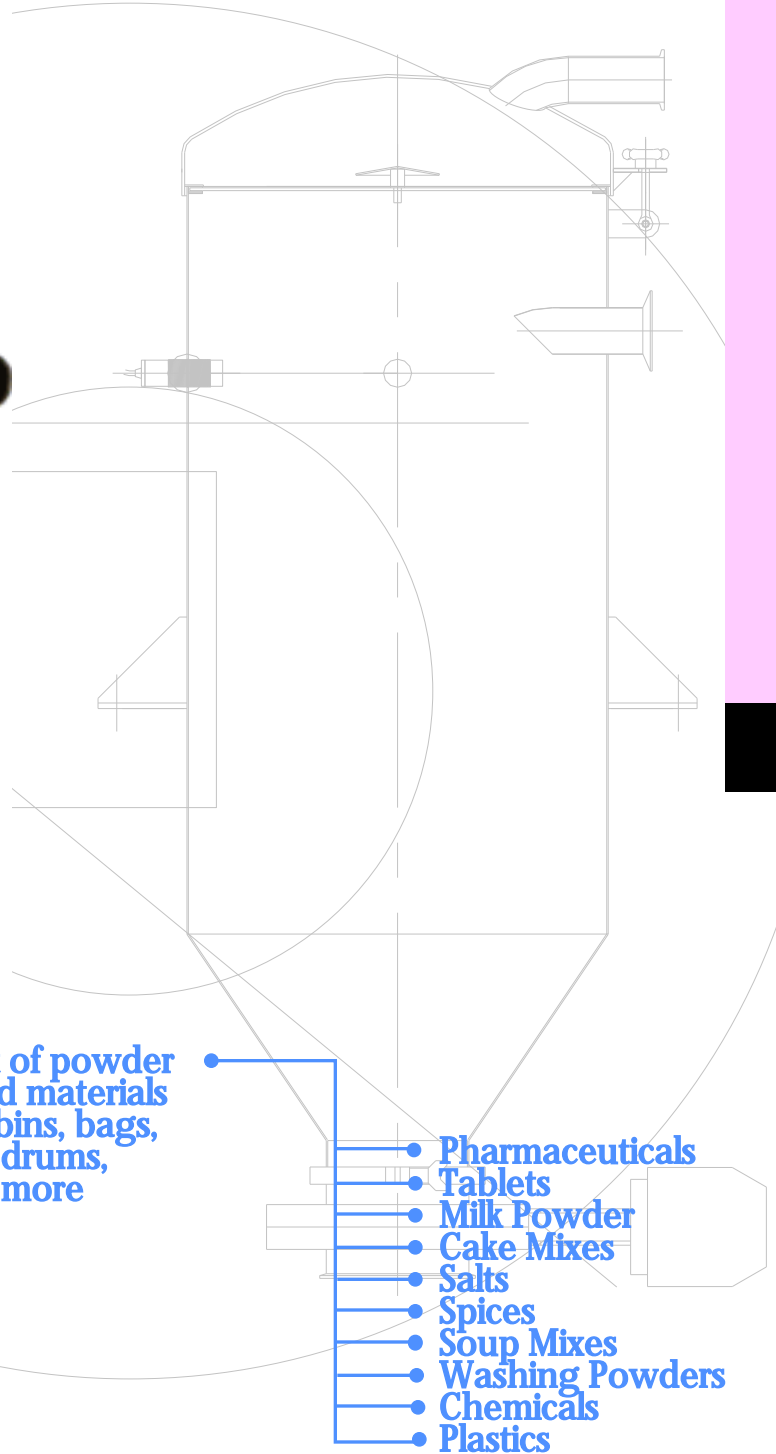


Vacuum Conveying Systems

Klausen "KM" Series



KLAUSEN | PROCESS MACHINERY | PTY. LTD.

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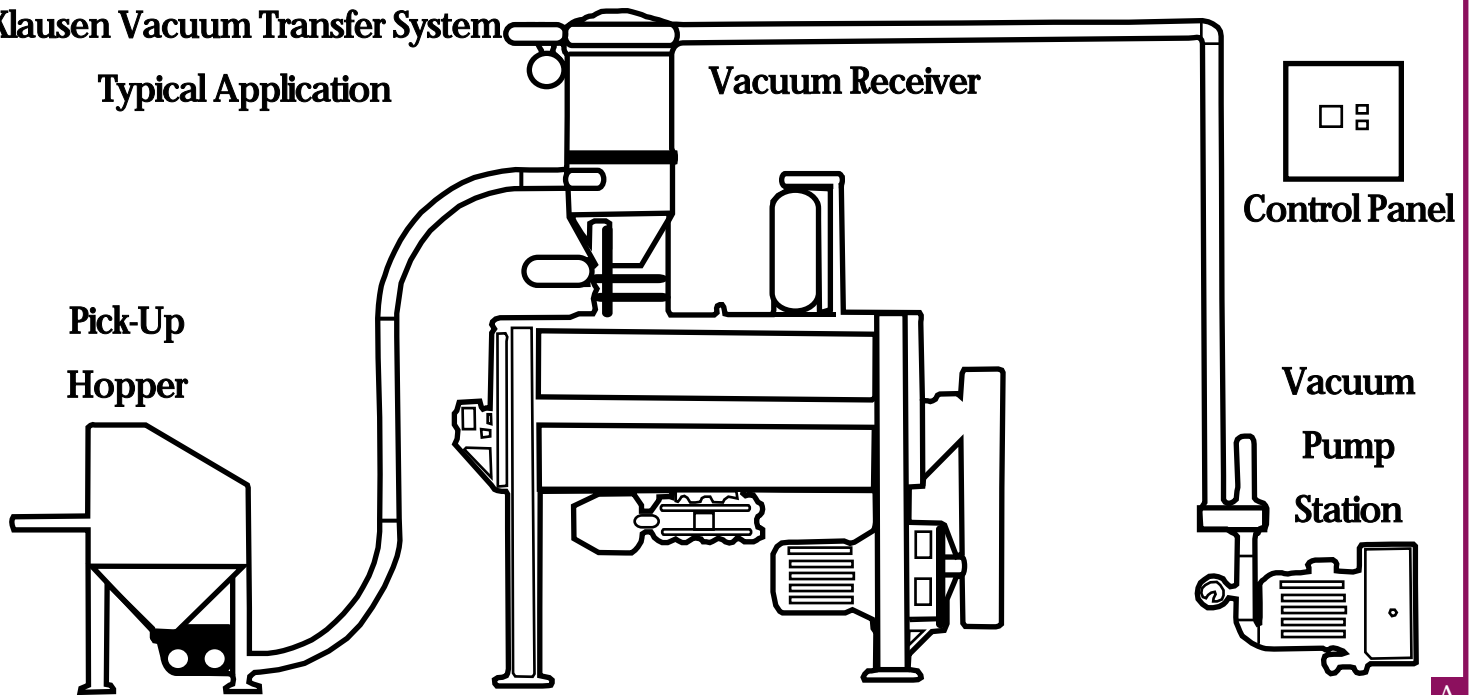
Vacuum Conveying Systems

Klausen "KM" Series

Fast movement of powder and granulated materials from storage bins, bags, bulk bags, drums, silos and more.

Klausen Vacuum Transfer System

Typical Application



The Principal Of Vacuum Conveying :

1. Vacuum is created by a rotary vane vacuum pump.
2. When the valve on the receiver is closed, a vacuum is created in the receiver. The negative pressure also builds up in the pipeline back to the suction wand.
3. The material to be conveyed is sucked into the suction wand, and moves through the pipeline into the receiver.
4. The filter separates the dust and small articles from the air stream and prevents dust from entering the vacuum pump.
5. When the receiver is filled, the vacuum pump stops and the valve of the receiver opens. The material in the receiver is discharged. At the same time, compressed air in the air reservoir is released to blow the filter clean.
6. After emptying, the valve closes, the pump restarts and the cycle is repeated. Suction and emptying time are generally set on the PLC but conveying time can be controlled using level sensors or other control signals.

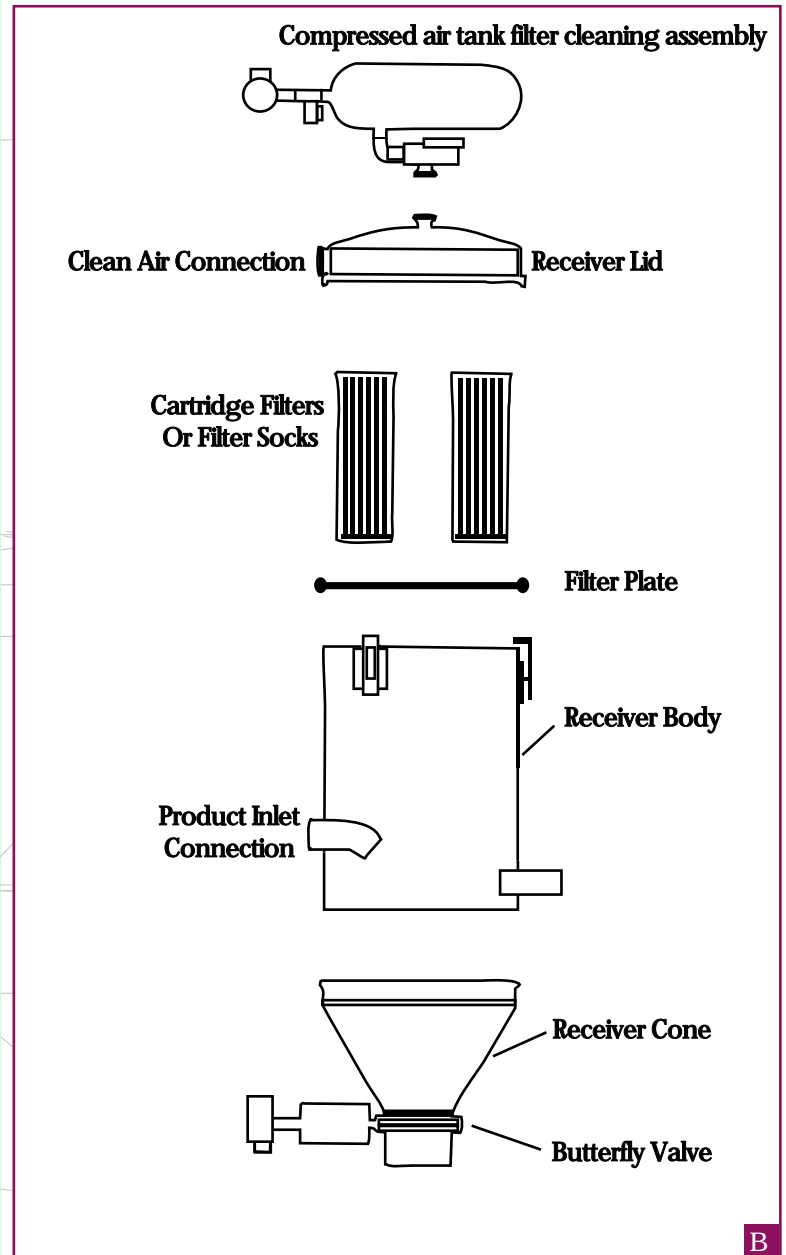


Simple Design :

- k Easy clean down is achieved by the quick dismantling of the receiver.
- k Washable "Slot In" filter cartridges (optional filter socks) can be quickly and easily interchanged.
- k Integrated reverse pulse filter cleaning system ensures high throughput whilst maintaining a dust free environment.
- k Stainless steel construction ensures safety and high levels hygiene for food and pharmaceutical applications.



C



B

Easy To Use:

Using a PLC based control unit, brand depending on customer requirements, conveying variables can be easily set and / or changed to suit a multitude of products

The operator can easily set:

- k Conveying Time
- k Filter cleaning time
- k Transfer mode (time or volume)

Vacuum Conveying Systems

Klausen "KM" Series Mobile Units

Designed to be practical and easy to use, the KM Series vacuum transfer system can be entirely mounted on a mobile stainless steel or mild steel height adjustable stand.

Not only does this allow the units to be used for many applications in a variety of places, but also does away with installation cost and time.

The mobile units are delivered ready to use. All that is required is a 3 phase power source and compressed air.

Mobile units have the added advantage of being easily maneuverable in tight or hard to access areas. Being mobile, the entire system can be wheeled away for cleaning and / or storage.



The power driver column allows the receiver to be positioned above filling machines, storage bins or any container of a range of heights. A popular use is for feeding powder filling machines.



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