

VACUUM HOPPER

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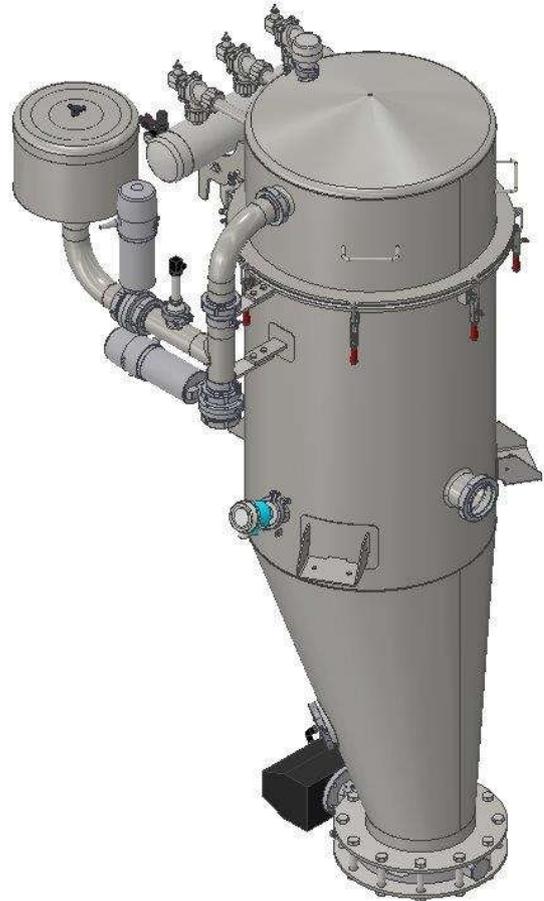


Description

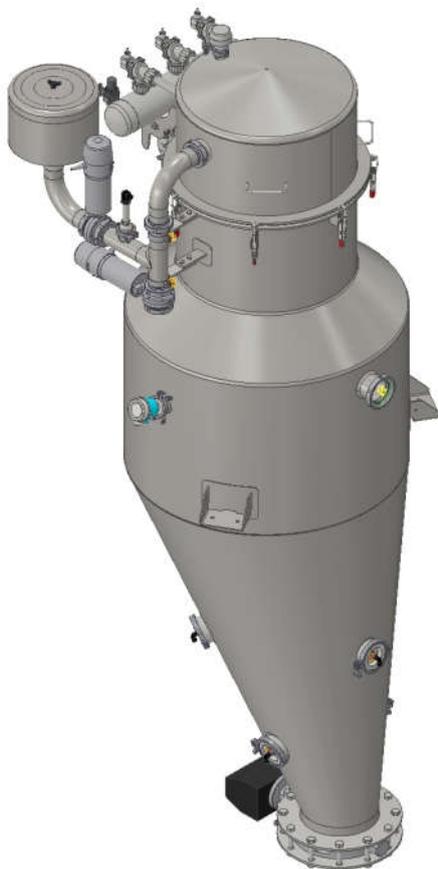
Successful vacuum conveying requires a well designed system and the separation of product from vacuum is a critical element to the effectiveness of this system.

Techno Links Vacuum Hoppers are the ideal unit for efficient separation of the product from the convey vacuum. They are low maintenance, easy to clean and are capable of dealing with a variety of products. The distance between the lid-mounted blow tubes and the plenum plate is engineered to ensure correct distribution of the filter cleaning compressed air pulse. This prevents damage to the filter elements while maximising the cleaning effect of each pulse.

Techno Links can offer standard equipment and can also customise hoppers to the specific needs and requirements of your system.



240 litre Vacuum Hopper



1000 litre Vacuum Hopper

Features

- ◆ Excellent air flow and product separation.
- ◆ Minimal product degradation.
- ◆ Sanitary design to NZ Dairy standard.
- ◆ Easy plenum access for simplified maintenance and filter removal .
- ◆ Automated Reverse Pulse Jet filter cleaning system with pulse augmentation as standard.
- ◆ Extensive range of filter media to suit varying products. A Hopper utilises either filter bags or pleated cartridges depending on the specific application.
- ◆ Complete in-house design allows total unit customisation to suit specialty applications.

VACUUM HOPPER



Customised Powder Handling Solutions

Available Accessories

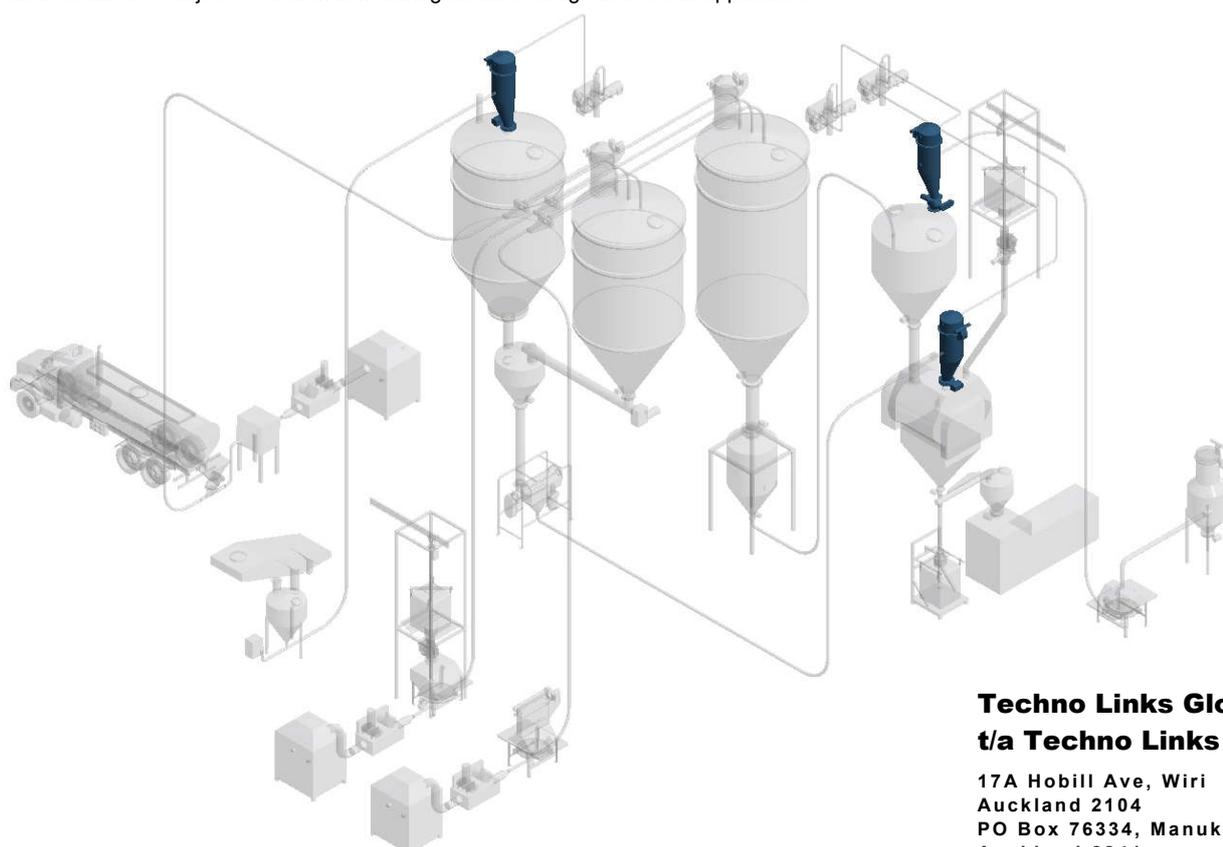
- ◆ Load Cells and Weigh Scale Systems
- ◆ Receiving Storage Bins/Silos.
- ◆ Weigh Hoppers and Surge Hoppers.
- ◆ Metering Valves and Rotary Magnets.
- ◆ Inline Metal Detection and Reject System.
- ◆ Downstream Rotary or Vibrating Screen Sifters.
- ◆ Units can be customised to suit client specifications, including specialised construction materials and surface finishes.

Application and Typical Technical Features

Hopper Capacity	Hopper diameter (mm)	Hopper outlet diameter (mm)	Hopper height (mm) *	Hopper empty weight (kg)	Instantaneous air consumption (m ³ /h @ 6 barg)
240 litres	700	300	2550	330	125
1,000 litres	1100	300	3480	425	155
2,000 litres	1400	300	4100	515	155
4,000 litres	1900	400	4815	1025	155
10,000 litres	1900	400	6875	1500	155

* Add 460mm to figure shown for lid in open position

All technical details are subject to confirmation during detailed design and to suit application.



System schematic showing typical Vacuum Hopper locations

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