

Dust-free screening during positive pressure conveying

The Blow Thru Sieve™ is designed to remove oversize contamination from your powders during dilute phase pneumatic conveying

Benefits

- Safeguards the quality of your incoming or outgoing materials and your final products.
- Check-screens and conveys in a single operation, allowing you to improve product quality without sacrificing productivity.
- Minimal operator involvement and maintenance saves you time and labor costs.
- The operating noise of the unit is extremely low, typically less than 65dB(A).



Specification

The Blow Thru Sieve™ has been designed and built to meet the European Pressure Equipment Directive 97/23/EC. It has been developed to check-screen powder during dilute phase pneumatic conveying.

- Certified to operate up to a maximum pressure of 2 bar gauge in Europe.
- Suitable for use up to 1 bar/14.5 psi (gauge) in North America.
- Tangential inlet and outlet enables throughputs of up to 25 tonnes per hour (55,000 lbs/hr).
- Simple operation and design allows access to the mesh screen using a single tool.
- Fully mobile, allowing total installation flexibility. Use one unit at multiple locations in your plant.
- Various connections available to provide complete compatibility with your existing process and equipment.



ATEX APPROVED

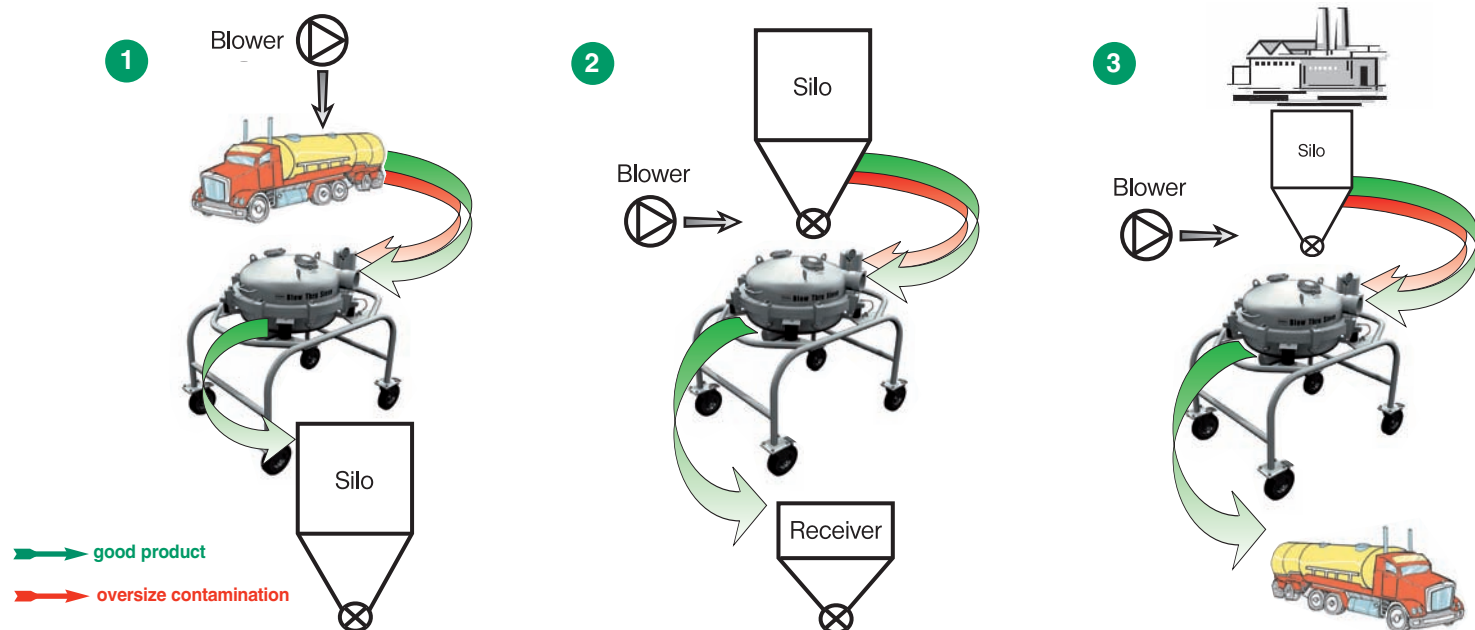
Certified for use in zones
20, 21, 22, 0, 1 and 2



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Applications

- 1 Incoming ingredients:** Check-screening incoming ingredients during tanker unloading ensures your down stream process is free from contamination.
- 2 In process:** The Blow Thru Sieve™ can also be used to screen materials while they are pneumatically conveyed at any point throughout your production process.
- 3 Before dispatch:** Screening your final product before dispatch ensures your customers receive contamination free products, safeguarding your reputation.



Operation of the Blow Thru Sieve™

Product is conveyed under pressure into the sieve through a tangential inlet. This ensures high throughput rates are achieved with minimal pressure losses. Good product is allowed to pass through the vibrating mesh screen, while oversize material remains on top where it can be removed at the end of a batch.

Disassembly of the unit is achieved in seconds. Simple clamps are released and the lid of the unit can be lifted open. This operation is spring assisted to reduce the lifting force required, safeguarding your operators' health & safety. Once open, a positive lock-off system secures the lid, giving operators complete access for cleaning or maintenance.

Options

The Blow Thru Sieve™ can be specified to meet European ATEX legislation for use in potentially explosive atmospheres. Various levels of finish and construction materials are also available, including FDA approved materials for use in food applications. Inspection ports and pressure gauges are also available to allow continuous monitoring of the unit's performance.



Support

Russell have been setting worldwide standards for quality, performance and reliability for over 75 years. We understand the needs of our customers in a wide range of industries, including the Directives and regulations that govern you – our machines are designed and built to exceed them.

Call us today to take advantage of our 75 years of application experience.

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