

Vistus® freefall metal detectors

The freefall metal detection system Vistus® ensures the reliable inspection and removal of metallic foreign bodies from any kind of food products in powder or granule form that is transported with the use of gravity through a pipe, e.g. milk powder, wheat, nuts or cornflakes. Vistus® freefall metal detectors feature:

- Minimum installation height for easy integration into any application
- Cost effective control of up to four search coils via one terminal
- True In-Process Validation. This functionality guarantees correct performance testing



Vistus® freefall metal detection system



Test piece opening



Test piece stopper

True In-Process Validation

True In-Process Validation guarantees correct performance testing during running operation. It allows a test piece to be dropped through the centre of the metal detector, the area of any detector with the lowest sensitivity. Any other position than the centre would produce false validation results.

To ensure that the test piece is removed from the material flow if it is not detected, a stopper is installed beneath the separator.



To learn more about Vistus® freefall metal detection systems, scan the QR code and watch the video

www.minebea-intec.com/en/videos/vistus-freefall

Pipeline configuration system

Vistus® freefall metal detector systems with round openings for use on pipes can be configured to suit your individual requirements by choosing from the following standard components: operator terminal, search coil, pipe, separator and True In-Process Validation.

Search coils



Vistus® R
For maximum detection sensitivity combined with a compact design.



Operator terminal
For efficient control of up to 4 search coils. Equipped with colour touch screen display.

Vistus® RMFZ search coil
Features reduced metal-free zone, allowing installation in the immediate vicinity of metal structures.

Pipes



PP pipe
Made of heavy-duty polypropylene; it is the universal solution for products that are not susceptible to electrical discharge, such as coffee or spices.



ESD pipe
Continuously neutralises static electricity thus offering maximum reliability when inspecting dusty products. Fully meets EU food safety standards 10/2011 and 1935/2004.



Ceramic pipe
Extreme wear-proof and heat-resistant. Ideal for highly abrasive products and high temperatures.

Separators



ST separator
Suitable for a wide range of applications featuring minimum product give-away when removing contaminants from the product flow.



FL separator
Features minimum installation height making it ideal for applying it on a Vistus® RMFZ search coil with reduced-metal-free-zone.



EC separator
Featuring hygienic design allowing easy inspection and fast cleaning through tool-free (dis-)assembly.



SW separator
The solution for very high product throughput.



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