

DUST ASPIRATION AND SAFETY IN SEED PROCESSING PLANTS

Minimizing dust emissions prevents dangerous substances from harming man and environment, hence contributing significantly to safe production processes and places. The extraction of contaminations and other unwanted particles also directly impacts the quality of the final product.

This makes extraction and filtration systems essential throughout the overall handling and plant processing, resulting in the need for

- » Constant extraction rates for constant operating conditions and constant product quality
- » Safety measures to handle explosible dusts
- » Containment of dusts that are harmful to health or even toxic
- » Reliability for uninterrupted production



Herding® FILTER SYSTEMS

Herding® Filtertechnik offers solutions for the specific requirements on filter systems for seed processing

- » Different type series available to meet different process and layout requirements
- » Broad variety of equipment and options available (fans, safety measures, dust discharge, etc.)
- » Designed for reliable operation and easy servicing
- » ATEX Compliance available



SAFETY DURING SEED TREATMENT



Herding® SINTER-PLATE FILTERS

- » Rigid body type of filter elements made from a sintered PE body with an embedded PTFE surface
- » Constant differential pressure for constant operating conditions
- » Dust emission rates <math>< 0.1 \text{ mg/m}^3</math>, even for very fine dusts
- » Outstanding operational lifetimes, often 10 years and more, even for abrasive dusts for minimized maintenance

EXPLOSION PROTECTION MEASURES

- » Protection concepts tailor-made for the individual case
- » Preventive measures for minimizing or avoiding the risk of an explosion
- » Constructive measures to limit the effects of possible explosions to a non-critical level
- » **NEW** // Herding® FLAMELESS // clean-gas-side, smoke-free explosion pressure relief



SAFE HANDLING OF DUSTS

Safe handling of dusts that are harmful to health or even toxic:

- » Various dust discharge systems available to keep the separated dusts safely contained during disposing
- » Herding® FIRST RINSE for SAFE CHANGE of the filter elements

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