reine Produktivität

Herding FILTERTECHNIK

pure productivity

durable. effective. filter.

HERDING **PHARMEX**

THE ORIGINAL
BY HERDING
made in germany

PFAS FREE

BENEFITS

HERDING **PHARMEX**

The DEKRA EXAM-certified alternative to pulse-cleaned HEPA filters

The production of pharmaceutical solids frequently generates combustible organic dusts that must be reliably captured and efficiently separated. Conventional filtration systems often require extensive tertiary explosion protection measures to ensure safe operation.

The compact Herding® PHARMEX filter unit provides a powerful and efficient alternative without additional protection measures. It features an explosion pressure-resistant design and is based on the principle of volume limitation. As a result, organic dusts with a maximum explosion pressure of up to 10 bar and a KST value of up to 300 bar·m/s can be safely separated without additional explosion protection measures.

In the event of a dust explosion, the Herding® Sinter-Plate Filters additionally provide a flame-arresting effect while simultaneously functioning as a DustEXZoneBarrier.

For safe plant operation, explosion isolation towards upstream equipment in the raw gas duct is mandatory. Depending on the application, explosion isolation on the clean gas side may also be required.

- Compact design with minimum footprint
- Lowest clean gas values of < 0.1 mg/m³ already after the primary filter stage
- Herding® FIRST RINSE optionally available for contamination-free replacement of filter elements
- Secondary filter serves solely as a „Police Filter“
- Various dust discharge systems available; optionally contamination-free up to OEB 5
- Safe unit concept without tertiary explosion protection measures
- Constant operating conditions due to pure surface filtration
- High availability and longest service life of the filter elements
- Lowest operating and maintenance costs troughout the entire life cycle

OPTIONS

HERDING **SAFE CHANGE**

Safe dust discharge and contamination-free disposal.

The Herding® SAFE CHANGE with Bag-In / Bag-Out system meets the stringent OEB 5 containment requirements, as verified by an independent SMEPAC test.

HERDING **FIRST RINSE**

Herding® FIRST RINSE is used whenever contamination-free replacement of the filter elements is required for dusts containing active pharmaceutical ingredients and/or toxic dusts.

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HERDING **PHARMEX**

Operating Principle

The dust-laden gas enters the raw gas chamber through the rear wall of the filter unit. Particulate matter is separated on the surface of the durable Herding® Sinter-Plate Filters.

The filter elements are cleaned online during operation by targeted Jet-Pulse cleaning, initiated automatically by the integrated controller according to demand.

As a result, the differential pressure remains virtually constant, which is a characteristic feature of pure surface filtration with Herding® Sinter-Plate Filters.

Thanks to clean gas values of less than 0.1 mg/m³, the primary filter stage already complies with the requirements of Dust Class M. Consequently, the chamber between the primary and secondary filter stages, which serves as an expansion chamber in the event of a dust explosion, can already be regarded as a clean gas chamber.

The downstream HEPA filter of class H13 or H14 functions solely as a safety („Police“) filter providing an additional level of protection. The cleaned gas then leaves the filter housing through an individually adjustable pipe elbow.

CONTACT

Please feel free to contact us! You can fill in the form and send it to us by e-mail.

Company

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Family name

Phone

E-mail

Branch

Application

Comments

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