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FILTERTECHNIK

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Herding **COMP**

herding.com

The compact filter system when spaces are limited

HERDING COMP PRODUCT DESCRIPTION

Compact filter unit series

Herding® COMP filter units allow users to make an application-oriented choice regarding compact filter units for applications with limited space. This concept consequently implements the idea of compact and flexible filter units. Herding COMP filter units can be used for applications up to approx. 6,000 m³/h.

The unique user-friendly design approach results in easy access for operation and maintenance from the front as well as the low profile of the unit.

The core of the filter unit are the Herding® DELTA or DELTA² sinter-plate filters which are integrated in one or two levels.

The upper part of the unit consists of the complete radial fan with integrated frequency inverter, the filter media, the Jet-Pulse cleaning and the electronic control.

The lower section of the unit in its simplest form consists of a discharge hopper with a dust collecting bin and a manual one-hand clamping device.

Options such as the Herding® SPARKSTOP-A, an automatically cleaned, highly effective spark trap as a preventive measure or the Herding® FLAMEBREAK as a completely integrated unit system for fire detection, fire alarm and firefighting measures round off the safety concept of the Herding COMP series.



HERDING COMP RANGE OF PRODUCTS AND SERVICES

DESIGN FEATURES

- » Herding® DELTA or DELTA² filter elements
- » Pure surface filtration on the basis of rigid-body filters
- » Highly efficient Jet-Pulse cleaning system with low compressed air consumption
- » Robust, electrically driven radial fan with a frequency inverter equipped motor to ensure an energy and process optimized mode of operation
- » Integrated control cabinet with microprocessor for the control of all components
- » High-quality powder coating of the compact housing
- » Variable positioning of the raw gas inlet connection; clean gas outlet optional at top or back of unit
- » Fork lift take-up for easy in-house transport

OPTIONS

- » Constructive equipotential bonding of the filter unit
- » Integrated fire detection, fire alarm and firefighting system Herding® FLAMEDTECT or Herding® FLAMEBREAK
- » Herding® PULSECOATER for products prone to adhesion and agglomeration
- » Herding® MULTICOATER for the automatic and specific addition of filter additives
- » Highly effective automatically cleaned spark trap Herding® SPARKSTOP-A
- » Flap at the dust discharge section for dust bin change during operation
- » Pneumatic dust discharge
- » Dust discharge in a bag which can be covered with a cap for dust-free disposal

SAMPLE APPLICATIONS OF THE HERDING COMP SERIES

Herding COMP filter units are best in the separation or product recovery of fine, adhesive or agglomeration-prone and also abrasive dusts.

LASERAPPLICATIONS

Laser machining like cutting, welding, etc. usually generates extremely fine dusts and fumes. The emissions can cause health hazards to the users, they can contaminate and damage the machine, the aggregates as well as the processed material. Furthermore, the generated dusts can even be highly combustible and/or sticky. The Herding COMP options package offers the optimal system configuration with regard to process and safety requirements.



SPRING AND WIRE INDUSTRY

During the production of springs or wires, the effective dust capturing as well as constant cooling of the tools are the key factors to keep product quality constant. The high separation efficiency of the filter elements is equally as important as keeping the required air flow by constant pressure drops across the filter elements. The pure surface filtration with Herding® sinter-plate filters offers optimal conditions for constant operation.



COATING PROCESSES

During the coating process of parts and components as well as the coating of tablets or seeds, an exactly defined air volume is constantly extracted from the coating process. This is necessary to capture generated over spray, prevent noxious emissions from being released into the work space, protect the products and lose as little product as possible. Constant volume flow is decisive for a constantly high product quality such as coating thickness.



POLISHING OF STEELS

While polishing steel, e.g. bathroom armatures, not only very fine dusts arise but also inflammable materials. Sticky polishing paste may be mixed with the extracted dust. Also for this application the full option package is available in order to meet the requirements from process as well as from safety.



More applications for Herding COMP filter units are to be found in several industries like:

Additive manufacturing, glass, ceramics, plastics, pharmaceutical, food, stone and soil, powder coating, chemical, metal processing, etc.

Please do not hesitate to consult our competent sales engineers for your individual application!