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**Herding**  
FILTERTECHNIK  
*pure productivity*



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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 is a concept which consequently implements the idea of compact and flexible filter units. Herding COMP filter units can be used for applications up to approx. 6,000 m<sup>3</sup>/h.

Easy access for operation and maintenance from the front as well as the low profile of the unit are results of our unique user-friendly design approach.

Depending on unit size, the optionally available Herding® DELTA or DELTA<sup>2</sup> sinter-plate filters which are integrated in one or two levels are the core of the filter unit.

In the top section of the unit, the fan with motor, the filter elements, the jet-pulse cleaning unit and the electrical controls are integrated.

The lower portion 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 a spark trap for preventive fire protection, or a completely integrated fire protection device for the filter unit complete the safety concept for Herding COMP filter units.



## HERDING COMP RANGE OF PRODUCTS AND SERVICES

### TECHNICAL FEATURES

- » Herding® DELTA or DELTA<sup>2</sup> filtermedia
- » Pure surface filtration on the basis of rigid-body filters
- » Highly efficient cleaning system with low and energy-optimized compressed air consumption
- » Integrated fans with a total pressure increase of 3,500 to 5,000 Pa
- » Integrated control cabinet with processor control for the control of all components and the integrated radial fan
- » High-quality powder coating of the compact housing
- » Selectable position of the raw gas connection
- » Fork lift take-up for easy in-house transport

### OPTIONS

- » Constructive equipotential bonding of the filter unit
- » Integrated fire detection and fire extinguishing system
- » Herding PULSECOATER for products prone to adhesion and agglomeration
- » Herding MULTICOATER for the automatic and specific addition of filter aids
- » Effective integrated spark trap
- » 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 low-dust 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 usually generates extremely fine dusts and fumes during cutting and welding processes. 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, an optimum dust capturing as well as a constant cooling of the tools are the key factors to keep product quality constant. The high dust extraction capacity 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 sucked off from the coating process. This is necessary to capture generated over spray, prevent noxious matter 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:**

*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!**