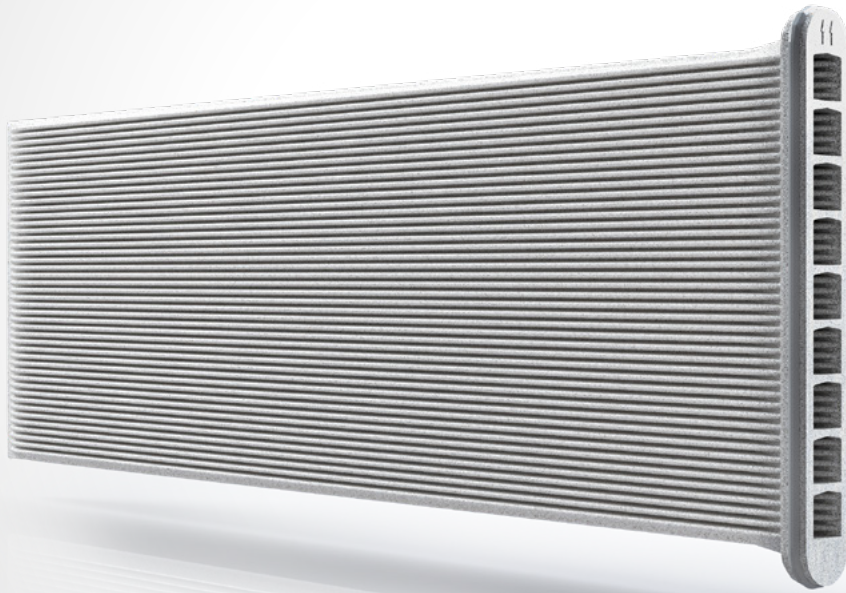


pure productivity
durable. effective. filter.

PURE **SURFACE FILTRATION**



THE ORIGINAL
BY HERDING



made in germany



BENEFITS

HERDING FILTER TECHNOLOGY

The Herding® filter technology bases on pure surface filtration. It sustainably protects man and machine from harmful production emissions and enables absolutely pure and contamination-free material recovery. This increases directly your productivity.

Lowest clean gas values, absolutely constant operating conditions, highest availability and energy efficiency are key features of the innovative technology. All Herding® polymer-based filter media are completely PFAS-free and, depending on the process, achieve service lives of more than 15 years. Thereby the filters make a valueable contribution to environmental protection and sustainability.

Herding® filter elements have proven themselves for decades in effective and safe particle separation in almost all areas of industry. Even with finest particle sizes, energy-efficient air recirculation is possible in most cases, proven even with toxic dust. Numerous applications can be covered in a temperature range of up to 450 °C.

**DURABLE
LONG SERVICE LIFE**



**CONSTANT
OPERATING CONDITIONS**



**ENERGY EFFICIENCY DUE TO
LOW CLEANING PRESSURE**



**PURE AIR AND CLEAN GAS
DUE TO LOWEST CLEAN GAS VALUES**



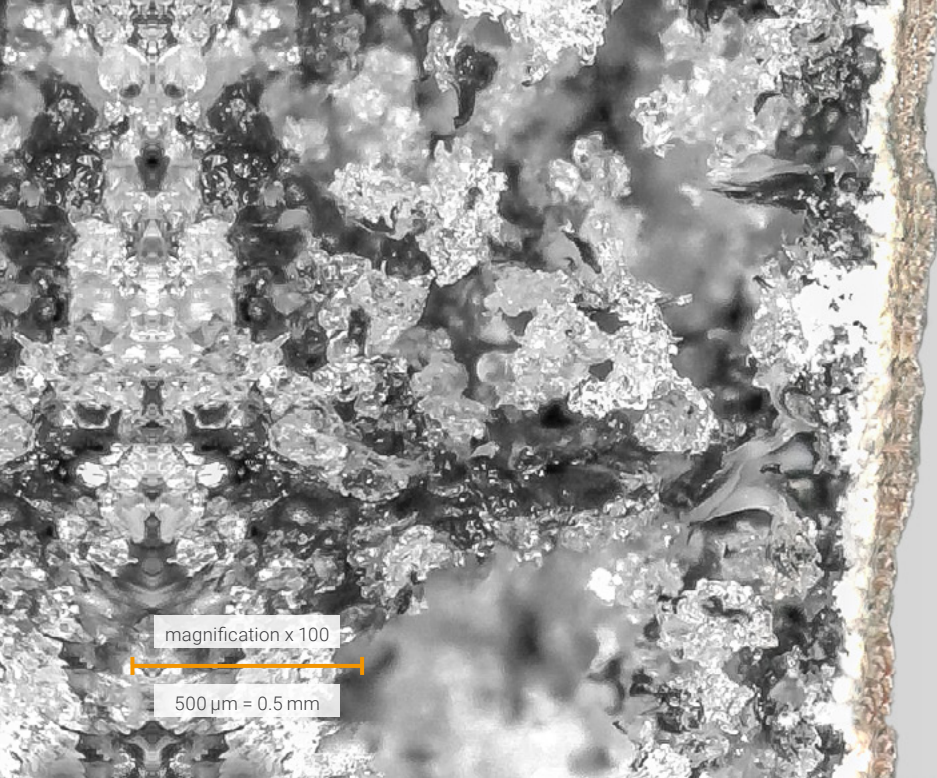
**COMPACT
DESIGN**



**PRODUCT RECOVERY
WITHOUT CONTAMINATION**



**RESISTANT
TO CHEMICALS**



HERDING FILTER TECHNOLOGY WITH PURE SURFACE FILTRATION

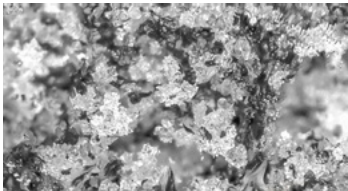
DESIGN

FILTER MATRIX

Compact rigid body

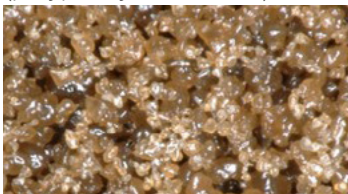
**Herding DELTA, PRO, HSL
OMIKRON**

Sintered PE (polyethylene)



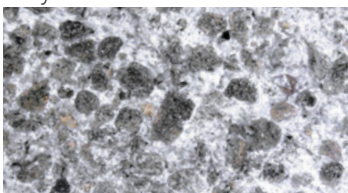
Herding BETA

Sintered PPS
(polyphenylene sulfide)



Herding ALPHA

Clay with ceramic binder



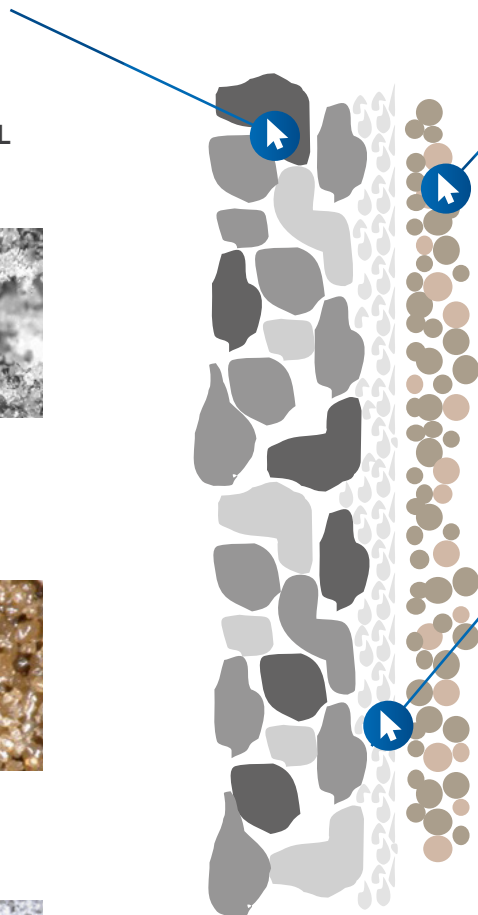
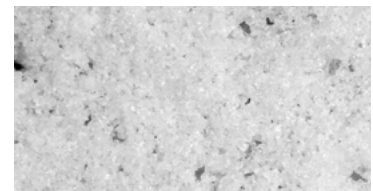
EFFECTIVE PRODUCT SEPARATION

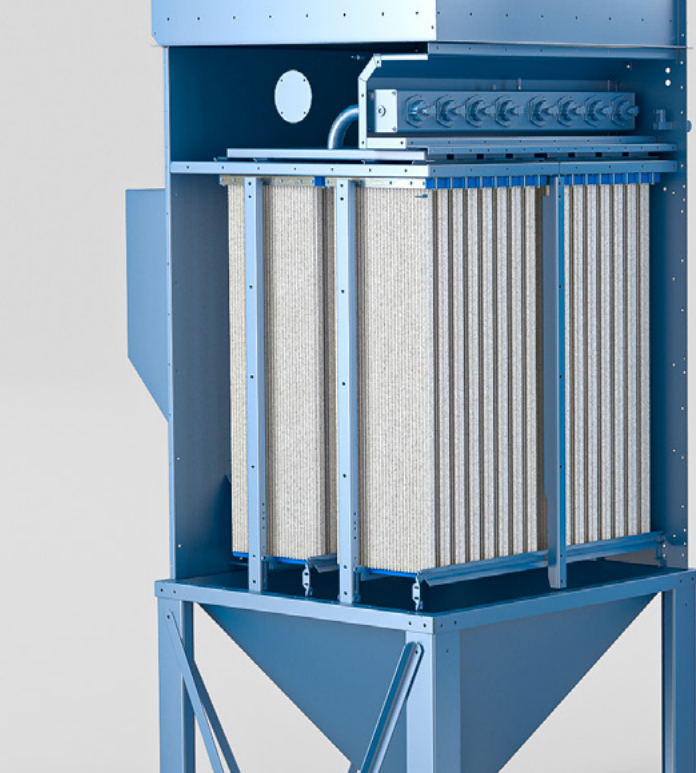
The particle spectrum to be filtered is separated on the surface.

No affinity to store fine particles in the filter body.

SURFACE COATING

Microporous layer, PFAS-free and homogeneously embedded in the filter surface





INSTALLATION

DIRECTION OF INSTALLATION

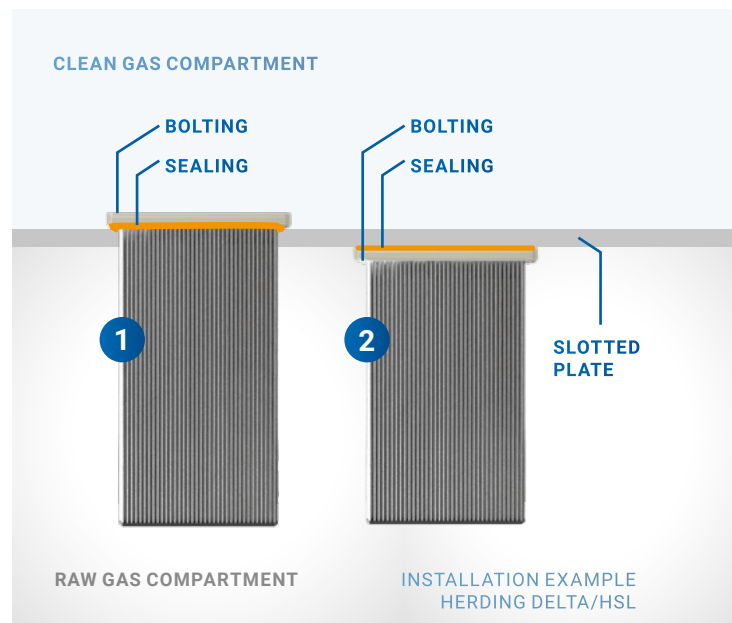
Depending on the individual application and process requirements horizontal or vertical installation is possible.

1 CLEAN GAS-SIDE INSTALLATION

Clean gas-side installation enables optimal and clean access to the filter elements and provides highest possible protection for the personnel.

2 RAW GAS-SIDE INSTALLATION

The installation of the filter elements from the raw gas side usually allows a direct and optimal revision of the raw gas area. No additional height is required for the installation.



	Herding DELTA DELTA²	Herding PRO³	HSL	HSL-C	Herding BETA	Herding ALPHA
Horizontal	✓	✓	✗	✗	✗	✗
Vertical	✓	✓	✓	✓	✓	✓
Clean gas side	✓	✓	✓	✓	✓	✓
Raw gas side	✓	✗	✓	✓	✗	✗

Herding OMIKRON

Herding DELTA²

Herding DELTA

Herding PRO³

HSL



HSL-C

Herding BETA



Herding ALPHA



FILTERS

	Herding OMIKRON	Herding DELTA DELTA ²	Herding PRO ³	HSL	HSL-C	Herding BETA	Herding ALPHA
Operating temperature up to max. [°C]	70	70	70	70	100	160	450
Residual dust content [mg/m³]	< 0,1	< 0,1	< 0,1	< 0,1	< 0,1	< 0,5	< 2,0
Filter surface area per filter element [m²]	0,05 - 0,37	1,10 - 7,10	3,15 - 8,5	0,54 - 7,64	0,89 - 7,64	2,20 - 4,75	3,00
PFAS-free	✓	✓	✓	✓	✓	✓	✓
Adhesive dusts (with precoating)	✓	✓	✓	✓	✓	✓	✓
Abrasive dusts	✓	✓	✓	✓	✓	✓	✓
Regeneration	✗	✓	✓	✓	✓	✓	✗
DustExZoneBarrier (acc. to VDI 2263)	✗	✓	✓	✓	✓	✓	✗
Clean air recirculation (depending on the dust class)	✓	✓	✓	✓	✓	✓	✓
Antistatic / dissipative version	✓	✓	✓	✓	✓	✓	✗
Non-chargeable version	✓	✓	✓	✓	✓	✓	✗
Foods EU approved	✓	✗	✓	✓	✗	✓	✗

(EC) 1935/2004 (EU) 10/2011

HERDING FILTERTECHNIK - PURE PRODUCTIVITY

Sustainability „made in Germany“

From the single filter element to the completely installed filter system, the production chain starts with the filter media production and ends with the final assembly.

The vertical range of manufacture in Germany ensures an extremely high quality standard and the greatest possible flexibility for our customers worldwide. Based on a well planned modular principle, a variety of filter system types is available, which can be individually tailored to the required application. A wide range of housing and construction materials rounds off the range of product variations.

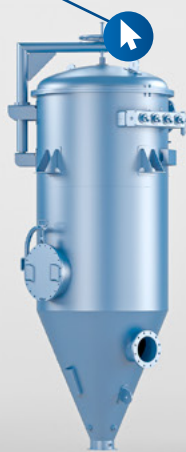
Herding **MAXX**

For very high air flows



Herding **RESIST**

For applications with high requirements on pressure resistance and easy cleanability



Herding **PROCESS**

The series for highest expectations



Herding **FLEX**

The flexible type series for all industries



Herding **COMP**

The compact filter system for limited space



NEW DIMENSION

Herding **FLEXPRO**



HERDING FLEXPRO

Proven Herding Technology in a New Dimension

With FLEXPRO, Herding® presents an innovative new filtration system that sets new standards in energy efficiency, operational safety, and digital integration. Developed for demanding industrial applications, it combines proven technology with forward-looking engineering – offering a solution that flexibly adapts to a wide range of production conditions.

At its core is the further development of the well-known Sinter-Plate Filter technology, enhanced by the newly designed Herding® PRO filter element. This combination enables powerful, sustainable, and economically attractive filtration – without compromising on separation performance or system availability.

**UP TO 25% LOWER
CO2 FOOTPRINT**



**DURABLE
LONG SERVICE LIFE**

**DIGITAL TWIN
OPC UA READY**



**CONSTANT
OPERATING CONDITIONS**

**PLUG & PLAY
USER-FRIENDLY HANDLING**



**PURE RECOVERY
WITHOUT CONTAMINATION**

**COST REDUCTION THROUGH
OPTIMIZED ENERGY USE**



**CLEAN AIR AND PURE GAS DUE
TO LOWEST CLEAN GAS VALUES**

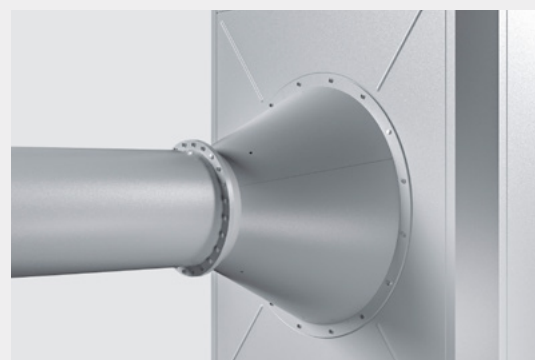
INNOVATIVE DUST-DISCHARGE

- Easy operation from one side only
- Pneumatic container clamping system sealing of the dust container (max. 1 bar)
- Dust-discharge can be conveniently removed with a pallet truck



INTELLIGENT AIR GUIDANCE

- Low pressure loss
- Low energy consumption
- Optimally distributed airflow



UP TO 30% LOWER DIFFERENTIAL PRESSURE

Herding PRO Filterelements in combination with Herding FLEXPRO

The new Herding® FLEXPRO Filter System combines proven Sinter-Plate Filter technology with an intelligent system architecture. It offers maximum adaptability, sustainably reduces energy and operating costs, and at the same time ensures the highest level of operational reliability – even in sensitive production environments.

DIGITALIZATION

- Digitally assisted commissioning
- OPC UA-Interface for seamless integration into IoT- and control systems
- Digital Twin in the Herding® Cloud

SYSTEM ARCHITECTURE & ENERGY EFFICIENCY

- Integrated volume flow control
- Up to 25% reduction in CO₂-Footprint
- Lower operating and energy costs without compromising performance

STEUERUNG HC4.0

- OPC UA Interface
- Connector Herding® Cloud
- Operational Data Visualization



FILTER

HERDING PRO

Efficiency meets sustainability

Lower energy consumption, reduced CO₂ emissions, maximum service life

The new Herding® PRO filter element is a key innovation within the FLEXPRO. It combines outstanding separation efficiency with maximum energy efficiency and, thanks to optimized filter geometry and an innovative coating concept, reduces differential pressure. Advanced manufacturing concepts enable up to a 25% lower CO₂ footprint.

Herding® PRO is PFAS-free, temperature-resistant up to 70 °C, food-grade, and highly resistant to chemicals. The unibody design made from a single material allows for a closed-loop process and is therefore recyclable, reprocessable, and reusable. Precisely engineered for the new generation of systems, the filter element is already proving its effectiveness across product lines in practice.

**UP TO 25% LOWER
CO2 FOOTPRINT**



**DURABLE
LONG SERVICE LIFE**

**MORE EFFICIENCY
LOWER CONSUMPTION**



**COMPACT
DESIGN**

**RESSOURCE-FRIENDLY
FULLY RECYCLABLE**



**RESISTANT TO
CHEMICALS**



CONTACT

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

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Family name

Phone

E-Mail

Branch

Application

Comments

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