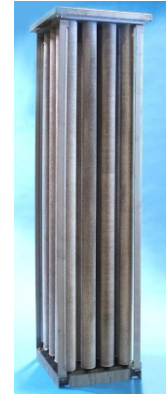


Field-proven and effective filter system for a temperature range of 250° C bis 450° C

▶ Excellent chemical resistance

Filter media made of organic fibres are mostly inapplicable for operating temperatures exceeding 250° C. The Herding® ALPHA-filter is a high temperature resistant barrier filter on the basis of a mineral matrix. Depending on the application it can be used for temperature ranges of up to 450° C (~ 840° F). The ALPHA-filter has excellent chemical resistance even at higher temperatures.

The cylindrically shaped filter elements are coated on the outside with a fine filtering inorganic layer, in order to achieve surface filtration in hot gas filtration applications for very low particle sizes with a long lifetime at low pressure drops.



Pic.1: Cluster side view

▶ Compact and space-saving design

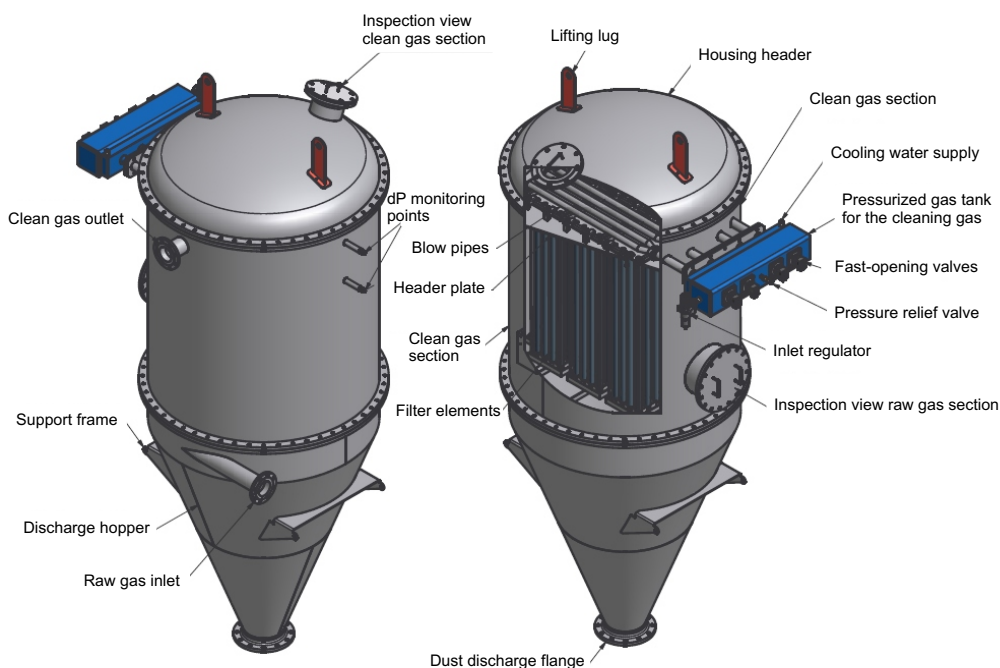
The Herding® ALPHA filter elements (Cluster) are installed vertically in the filter housing. This allows a compact and space-saving design and greatly simplifies the installation.



Pic.2: Cluster bottom view

▶ Filter housing, gas-tight or as pressure vessel

The filter housing can be designed as gas-tight version or as pressure vessel. The materials used depend on the application. The filter candles, which are arranged in clusters, are cleaned by an online jet-pulse system.



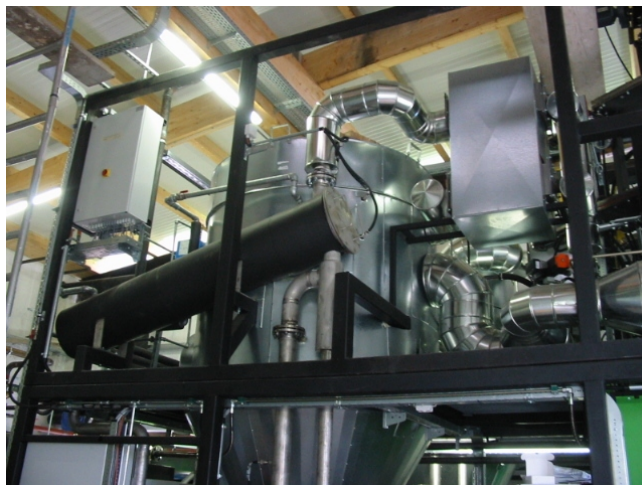
Pic. 3: Herding® ALPHA-Filter as a round, gas-tight construction

Benefits:

- ▶ Stable filtration performance at low pressure drops
- ▶ Permanently temperature-resistant up to 450° C
- ▶ Excellent filtration efficiency
- ▶ Easy access to the filter elements for installation and maintenance
- ▶ Filter element mounting from the clean gas side
- ▶ High flexibility in filter design
- ▶ Compact design, high ratio of filter surface per volume
- ▶ Non-combustible, chemically stable

Applications:

- ▶ Dedusting of exhaust fumes from combustion processes
- ▶ Dedusting of exhaust fumes from melting furnaces
- ▶ Separation of solids from hot gas process
- ▶ Dedusting of gases from pyrolysis in a oxygen-free atmosphere
- ▶ Pneumatic conveyance of hot materials or at high temperatures



Pic. 4: Bio mass gasification

All from one single source

Herding GmbH Filtertechnik is a world-wide operating manufacturer of filter elements, filter units and complete filter plants for separating dusts and aerosols from gaseous media for industrial applications.

Core part of our filter units and plants are the Herding® filter elements on the basis of the sinter-plate technology.

Analysis of customer needs, consultancy, customized design, production, installation, commissioning, after-sales-service and maintenance of complete filter plants, even the upgrading or refurbishment of already existing filter plants, Herding offers all from one single source.

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