

pure productivity
durable. effective. filter.

CERAMICS PRODUCTION



THE ORIGINAL
BY HERDING



BENEFITS

SAFE SEPARATION OF FINE QUARTZ DUST

The awareness for fine quartz dust has grown considerably in the ceramics industry in recent years. Stricter standards and limit values are increasing the demands on filtration efficiency and safety. The Herding® Sinter-Plate Filter combines very high separation efficiencies with unparalleled wear resistance.

The Herding® filter technology bases on pure surface filtration. It sustainably protects man and machine from harmful production emissions, reliably separates even the finest dust fractions, and directly increases your productivity. Herding® filter elements show extreme durability and, depending on the process, long service life times of more than 15 years. Thereby the filters make a valueable contribution to environmental protection and sustainability.

**DURABLE
LONG SERVICE LIFE**



**CONSTANT
OPERATING CONDITIONS**



**ENERGY EFFICIENCY DUE TO
POSSIBLE RECIRCULATING AIR
OPERATION**



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



**COMPACT
DESIGN**



**ACTIVE HEALTH PROTECTION
BY SAFE SEPARATION**



**SUSTAINABLE PROVEN
TECHNOLOGY**



PROCESSES

SAFE EXTRACTION FOR ALL AREAS

In almost all manufacturing processes of the various types of ceramics, particles containing silica are emitted. It is recommended to separate processes with high emission levels from other workplaces, but this, however, is rarely possible in the fine ceramics and heavy clay industry and often not economically feasible.

This makes Individually designed filter systems including efficient dust collection for extraction directly at the source indispensable. With very long guaranteed service lives and absolutely constant operating conditions, even with abrasive dusts, Herding filter systems with the Sinter-plate Filter elements cover the entire process cycle highly efficiently and reliably.





HERDING FLEX
The flexible
type series



HERDING COMP
The compact type series
for limited spaces

HEALTH



A-/PM-4 FRACTION

National and international standardization committees have harmonized the limit values for quartz fine dust emissions. The aim is to sustainably minimize potential personal exposure to respirable crystalline silica at the workplace. The fineness of the mineral dusts to be separated in particular, combined with their abrasive properties, sets high standards for filter technology.

Contrary to conventional filter systems based on depth filtration, the patented Herding® Sinter-Plate Filter enables pure surface filtration. This property is achieved by a filter-active coating with a PTFE layer that is homogeneously embedded in the surface of the robust rigid filter body. Abrasive mineral particle emissions as well as quartz dusts are reliably separated without damaging the filter-active layer.



AIR RECIRCULATION SUITABILITY

Measurements by independent institutes have proved the A dust fraction according to DIN EN 481 with clean gas concentrations for the quartz fine dust fraction below 0.005 mg/m^3 on Herding filter systems. Thus confirms that these systems allow air recirculation when used for quartz fine dust.

The possibility to recirculate the cleaned air and the possible heat recovery make an important contribution to increase the efficiency and save energy.



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

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Application

Comments

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