

Herding®
pure
productivity

DELTA and DELTA² FILTER ELEMENTS

Herding® FILTERTECHNIK – THE FILTER ELEMENTS DELTA AND DELTA²

Facts make our DELTA-filter element series so special and convincing. Already today they meet the requirements of tomorrow's environmental technology. The body of the DELTA-filter element is formed by a sintered polyethylene PE-matrix. The filter surface is built by a micro-porous and hydrophobic PTFE-coating, which is firmly embedded into the pores of the PE-matrix.

Clean gas chamber
optimized geometry
resulting in reduced
pressure drop



DELTA

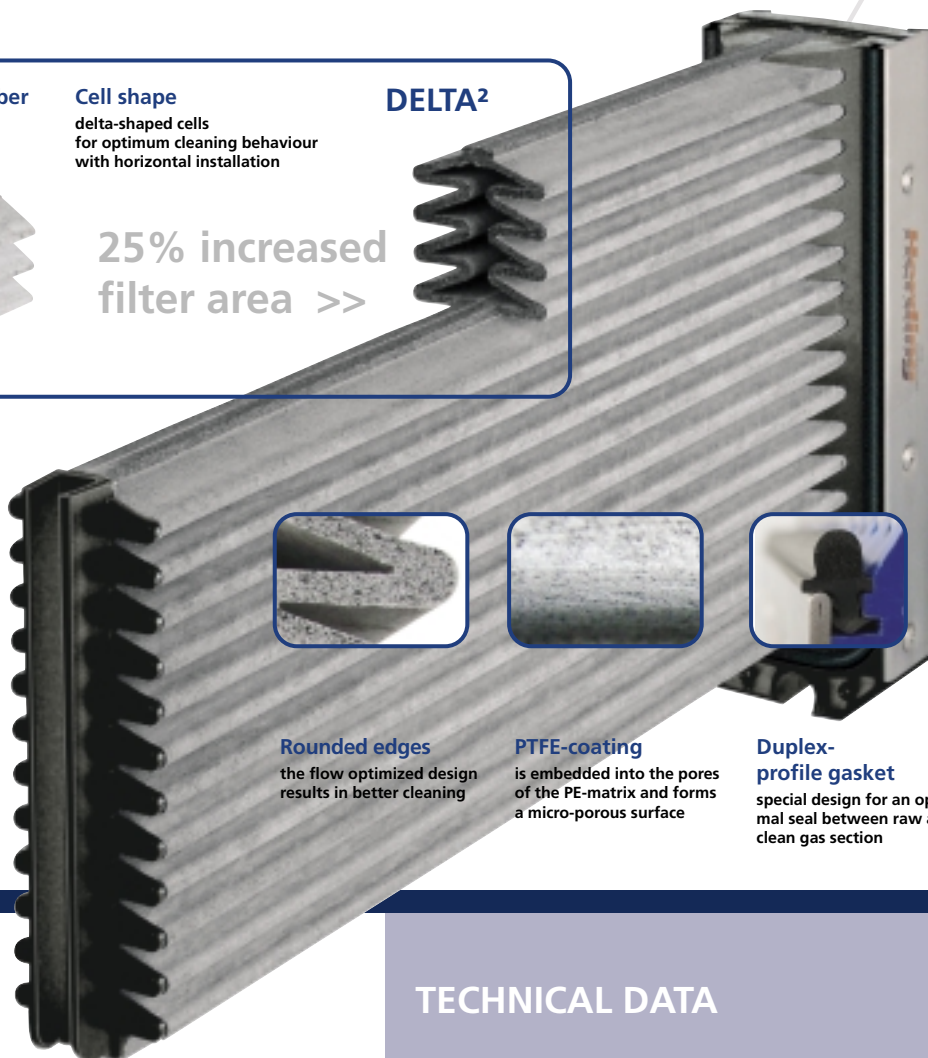
Cell shape
delta-shaped cells
for optimum cleaning behaviour
with horizontal installation

**25% increased
filter area >>**

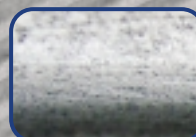
DELTA²



PE-head
to stabilize and fix the complete
filter element



Rounded edges
the flow optimized design
results in better cleaning



PTFE-coating
is embedded into the pores
of the PE-matrix and forms
a micro-porous surface



**Duplex-
profile gasket**
special design for an opti-
mal seal between raw and
clean gas section

Facts about our DELTA-elements:

- filter element lifetime of up to 15 years possible
- low maintenance costs due to long useful life of the filter elements
- constant pressure drop guarantees consistent air flow
- high separation efficiency due to surface filtration
- clean gas emissions $\leq 1.0 \text{ mg/m}^3$
- compact rigid body generates a robust filter design
- filter medium: capable to be washed, recycled and refurbished
- universal mounting from the raw- or clean gas side of the filter unit
- horizontal or vertical installation possible
- filter medium absolutely free of fibres, ideal for product recovery
- excellent use for highly abrasive dusts
- antistatic version of the filter elements available
- FDA-conformity by using food-grade filter material

TECHNICAL DATA

The new DELTA² is an improvement over our DELTA-element. The filter area of the DELTA² has been increased by 25 % through adding more folds per chamber, but still remaining consistent with the original dimensions.

DELTA-filter element
filter area per element: 1.82 m² to 3.75 m²

DELTA²-element
filter area per element: 2.20 m² to 4.75 m²

Both DELTA-versions are available in the following lengths: 750 mm, 1200 mm, 1500 mm

The use of the DELTA or the DELTA² is determined by the process respectively by the process parameters.

Please feel free to contact us for technical assistance.