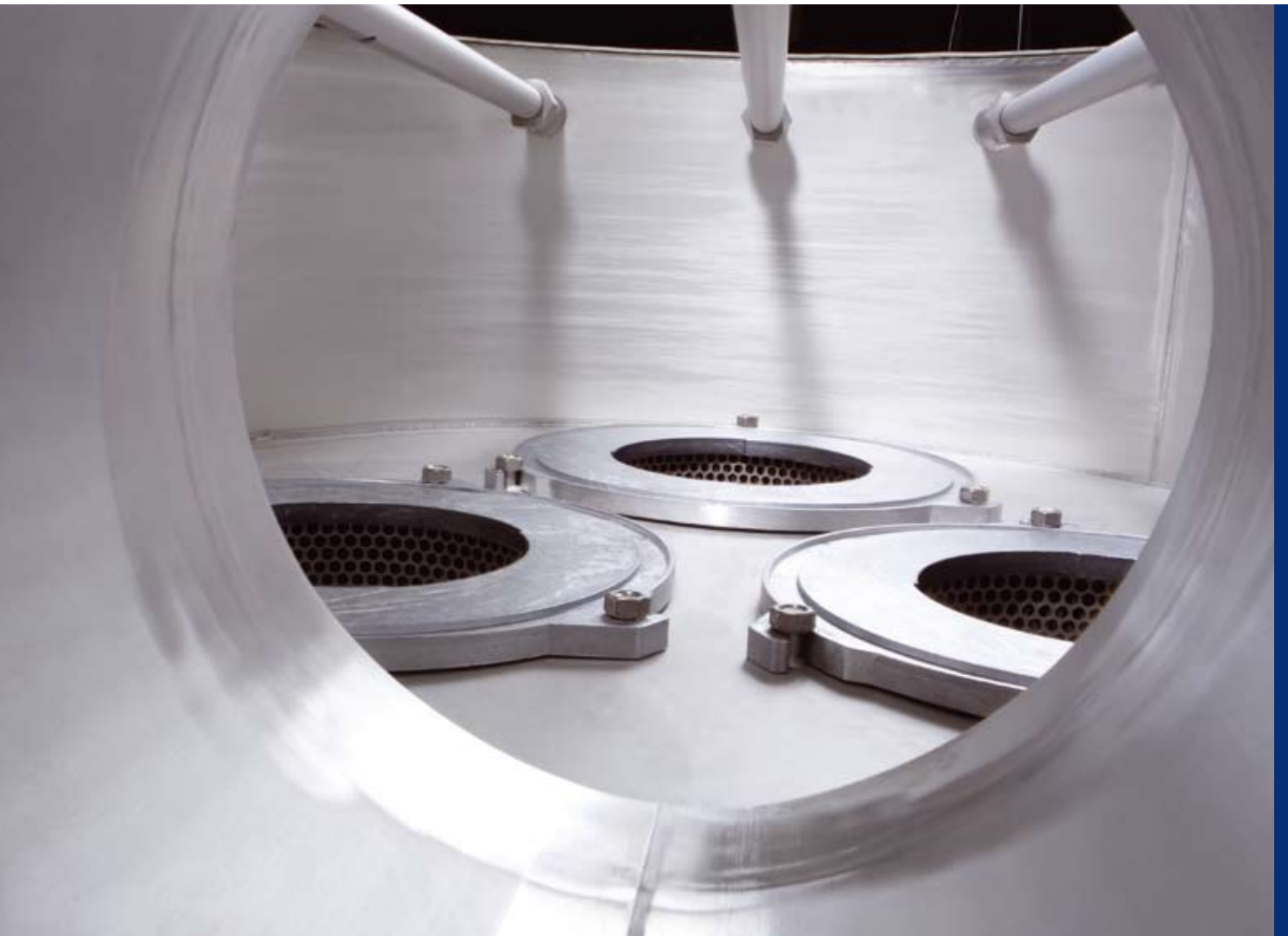


Filter systems from the plant supplier
Maximum separation efficiency and economy



Bin vent filter

Bin vent filters are used, e.g., in silos with pneumatic conveying systems to separate dust particles from the conveying air. The raw gas inlet and the dust outlet are located in one connection. A special type of bin vent filter, the built-in filter, offers both low maintenance and a compact design thanks to the filter elements which protrude into the silo.

Design characteristics:

- cleaning: pneumatic
- filter elements: filter hoses / filter bags
- housing: round / rectangular
- installation of filter elements: horizontal / vertical
- special design: built-in filter



Bin vent filter



Filter hoses

Performance:

Flow rate: 500 – 20,000 m³/h

Temperature: 130° C

Pressure: -0.5 to 4 bar g

Dust collector

Dust collectors are filter systems with a funnel-shaped bin integrated in the raw gas chamber for storage of the product. The filter elements (mostly filter hoses or filter bags) are cleaned pneumatically. Filling level indicators are foreseen in order to avoid too high filling levels and damage to the filter elements. The product is either discharged via the conveying pipe or filled in transportable containers.

Design characteristics:

- cleaning: pneumatic
- filter elements: filter hoses / filter bags
- housing: round / rectangular
- installation of filter elements: horizontal / vertical
- filtration: one-step or two-step
- heating of the shell



Dust collector with two-step filtration

Performance:

Flow rate: 1,000 – 30,000 m³/h

Temperature: max. 150° C

Pressure: -0.5 to 10 bar g

Safety filter

Safety filters are installed in systems between the existing filter and the blowers or compressors. Filter cartridges serve as filter elements. Since safety filters only come into effect as backup in case of damage or malfunction of the main filter, cleaning is normally not required for this type of filter.

Design characteristics:

- cleaning: pneumatic or with storage filter
- filter elements: filter cartridges
- housing: round
- installation of filter elements: vertical



Safety filter



Filter cartridge

Performance:

Flow rate: 200 – 24,000 m³/h

Temperature: max. 130° C

Pressure: -0.5 to 5 bar g

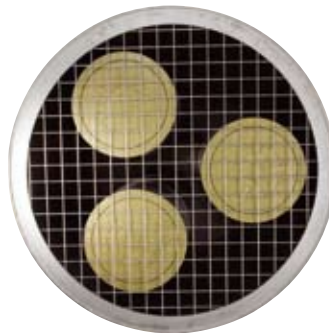
Suction filter

Suction filters are used for cleaning the intake air of condensers and blowers.

Filters are available in various designs and sizes according to the process and stability requirements. Weather protection hoods and sound absorbers are available on request. Suction filters can be easily flange-mounted to existing connections.

Design characteristics:

- cleaning: pneumatic
- filter elements: filter hoses / filter bags
- housing: round / rectangular
- installation of filter elements: horizontal / vertical



View from below of a suction filter with filter cartridges



Suction filter

Performance:

Flow rate: 500 – 15,000 m³/h

Temperature: max. 80° C

Pressure: 0 bar g

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De-dusting systems for dry filtration



Bin vent filter



Dust collector



Suction filter



Safety filter



Special filter

Jet cleaning	•	•	•	•
Filter hose	•	•	•	•
Flat filter hose	•	•		•
Cartridges	•		•	•
Compact filter elements	•	•		•
Filter materials	Polyester, Polypropylen, Aramid, PTFE etc.			
Materials	Mild steel, stainless steel, special steel, aluminium			
Pressure resistant filter	Up to 10 bar(g) – Manufacturing according to different international regulations			
Special version	Jacketed heaters, multistage filtration etc.			