

Our Minis



Two-way-filter

Filter module

- Our minis are real all-rounders. Small and compact they are used in many applications. Either as plug-in or top mounted filter, they fulfil the tasks of suspended matter filtration.
- In highly sensitive areas, such as the chemical and pharmaceutical industries, our minis can provide a maximum process security as additional police filters.
- Optionally they are expandable by activated carbon (e. g. for aromatics filtration). For the continuous operation a filter element of metal can be used.
- Pressure resistance up to 12 bar
- Filter medium: PES, filter class H13 or filter element of metal
- Regenerable
- ATEX- and food approval
- Low space requirement
- Filter change without tools

Application »PHARMA«

Filter apparatus with Wash-in-Place (WIP)



- The top-mounted filter apparatus with Wash-in-Place (WIP) (illustrated series 05) is placed on a container.
- The raw gas chamber can be flushed with water by means of built-in container cleaning heads.
- An optional lifting/rotating device facilitates the removal of the filter elements on the clean gas side for the cleaning process.

Would you like further information about our range of products?

Just scan the QR-Code and request by mail:

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tssystemfilter

46 years experience
in process dedusting



**Filter systems and
elements of the
MODULAR SYSTEM**

Filter apparatus of the MODULAR SYSTEM

Customised solutions



- ATEX-type examination for zone 20; 0
- VO (EG) Nr. 1935/2004 & 10/2011 / FDA
- Filter area 0.1 up to 100 m²
- Air quantity up to 14000 m³/h
- Clean gas values up to < 0,5 mg/m³
- Degrees of separation up to ≥ 99.995 %
- Pressure resistance up to 12 bar
- Vacuum resistance up to 90 %
- Temperature resistance -40°C or +500°C
- Valve box integrated in the filter head for the pulse jet regeneration in time mode or by differential pressure control
- Pressure compensation valve
- Rotary valve (FDA)
- Upgrade of filter units (e. g. ATEX)
- Police filter
- Life-time-support for spare parts
- Engineering-support
- Measuring of the residual dust

Filter elements



- The ts-systemfilter star filters are manufactured in-house, so that an almost unlimited number of geometries are possible.
- Star filters (in one or two parts):
 - with separate support tube of metal
 - with integrated support tube of metal or plastic
 - without support tube
- Plug-in star filter
- Mini-filter elements of metal
- Hose filters
- Metal elements
- Sintered plastics
- Activated carbon
- Customised solutions

Filter media

- Cellulose
- PES (conductive; PTFE-membrane)
- PP
- PPS (conductive; PTFE-membrane)
- PTFE (conductive)
- m-Aramid (PTFE-membrane)
- metal

Filter elements for high temperature and optimum chemical resistance

- Metal filter elements complete the portfolio of our filter units. These are available in lengths of up to 900 mm. Existing systems can also be easily converted using the same screw thread in the filter plate. The metal elements are particularly suitable for high temperatures of up to 500 °C. They can be almost completely regenerated to their new state using a water bath or ultrasonic bath. The fineness of the filter fabric is adapted to the application. The metal fabric can be selected with a mesh size of up to 2 µm.

- PPS (polyphenylene sulfide) is particularly suitable for high temperatures up to 160 °C. It is resistant to hydrolysis and has very good chemical resistance. It is also optionally available with a PTFE membrane. The end plates and the longitudinal seam are cast with silicone.

