

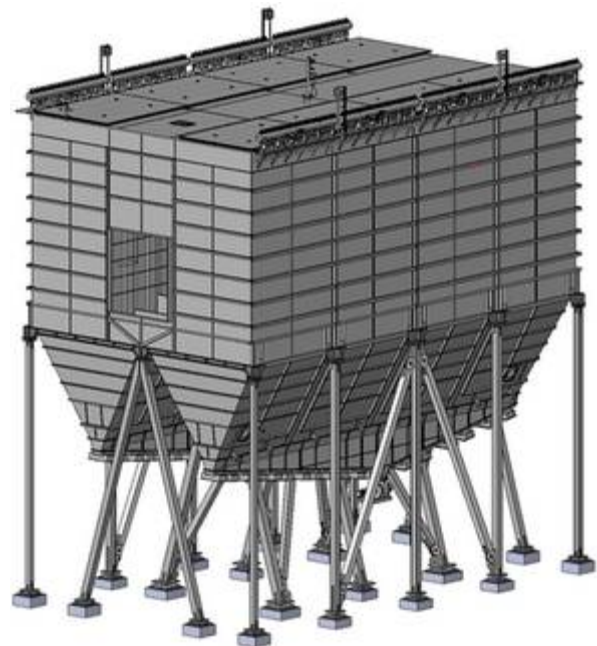
Effective fabric filter solution that meets the strictest dust emission requirements in medium to large gas flows.

Reducing upfront costs and proven in many installations worldwide, it comes as a standard (UC) or as an explosion proof type (UC-C). It is a well proven design with over 150 installations worldwide.

Benefits

Efficiency

- Bottom entry gas approach, where the gas enters from the bottom of the bags, through a special designed inlet arrangement, ensuring even distribution along the full length. This ensures a low, uniform velocity over the entire bag filtration area.
- Optimal control of gas distribution and large inlet area, with significant dust being pre-separated directly to the hopper. compressed air usage and increases the lifetime of the bags, leading to lower OPEX.
- UC can be equipped with outlet dampers for online trouble shooting.
- The pulse jet system automatically cleans the bags row-by-row even as the dust is being filtered. Cleaning is online, the semi-offline is available on request.



Savings

Simatek's UniClean filters ensure an outstanding performance at a low operational cost. Thanks to the unique gas distribution and pre-separation of dust, the pulse jet cleaning system operates with a minimal number of cleaning cycles, resulting in low compressed air consumption, less wear of the bags and an increased bag lifetime.

The Gas Distribution Screens are optimized with Computational Fluid Dynamics to achieve best distribution with the lowest possible pressure drop.

Flexibility

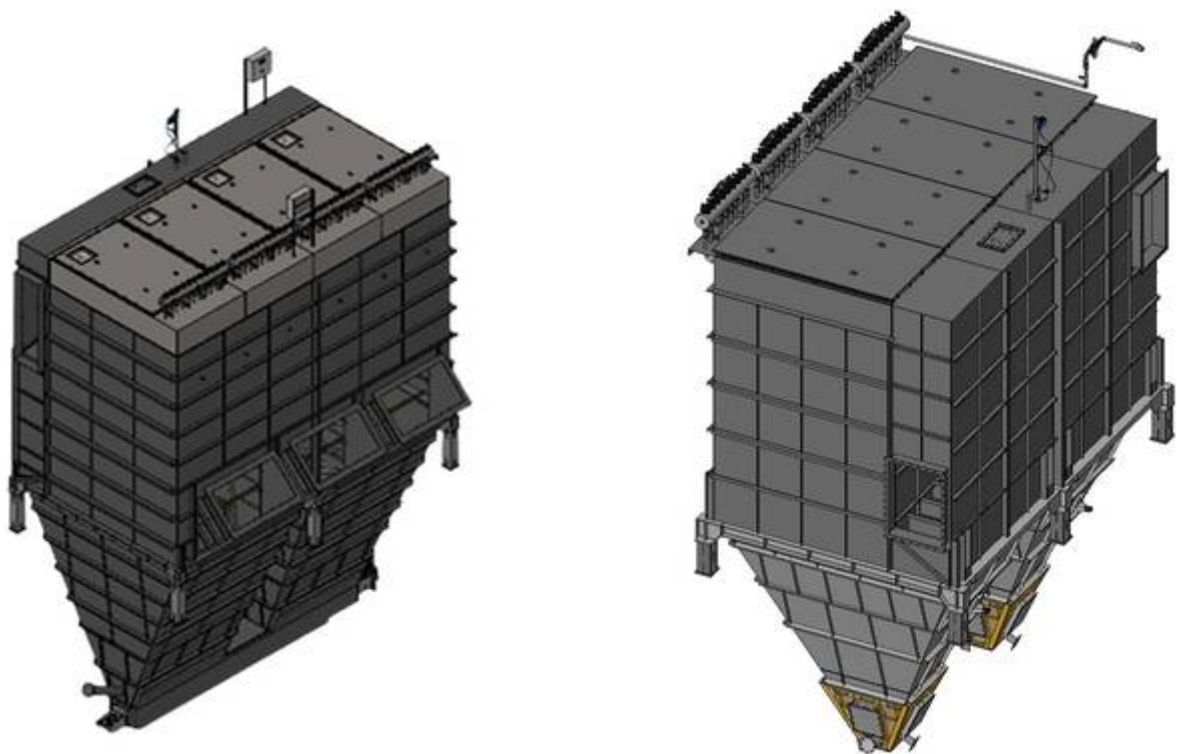
The design offers a great flexibility, thus there is a tailor-made design for any low to high gas flow.

You can separate almost any kind of dust – fine, abrasive, stic explosive.

Possibility of use various type of bags (materials and sizes)

Features

- Capacity: 20.000 – 850.000 m³/h
- Filter size: 350 – 12000 m² filter surface.
- Standard min. 4% vacuum (400 mmWC)
- Bag length: 4.5-6, 5" bag preferred
- Works on dry, abrasive and sticky products
- Unique gas distribution system
- Outlet damper optional (not UC-C)
- Controller is designed for both serial and parallel interface. PLC is optional.
- Burst bag detector for fast detection of faulty bags option available
- Complying with the ATEX directive (UC-C only)
- Indoor installation with explosion vent following European standard EN14491 or the German guidelines VDI 3673 (UC-C only)



Industries we serve for emission control and product recovery (detailed industry segments on our homepage)

- Cement & Lime
- Grain & Feed
- Energy & Waste
- Food & Dairy
- Speciality Powder
- Chemical & Mineral resources