

Cost effective, compact solution with unique gas distribution system and dust pre-separation effect

The DuoClean DC8 bag filter is a one-compartment fabric filter in an octagonal shape that is suitable for gas capacities from 25,000 up to 185,000 Am³/h. The bags can be from six to ten metres long. It is ideal for, but not limited to, medium to small process applications where the capacity of a bag filter with multiple compartments is too large.

The DuoClean DC8 baghouse filter offers excellent pre-separation ability and gas distribution with a low uniform velocity over the entire bag filtration area.

Different types of filter tops are available for the DuoClean DC8 filter: top access, either enclosure (for weather protection) or a walk-in plenum.

Benefits

Efficiency

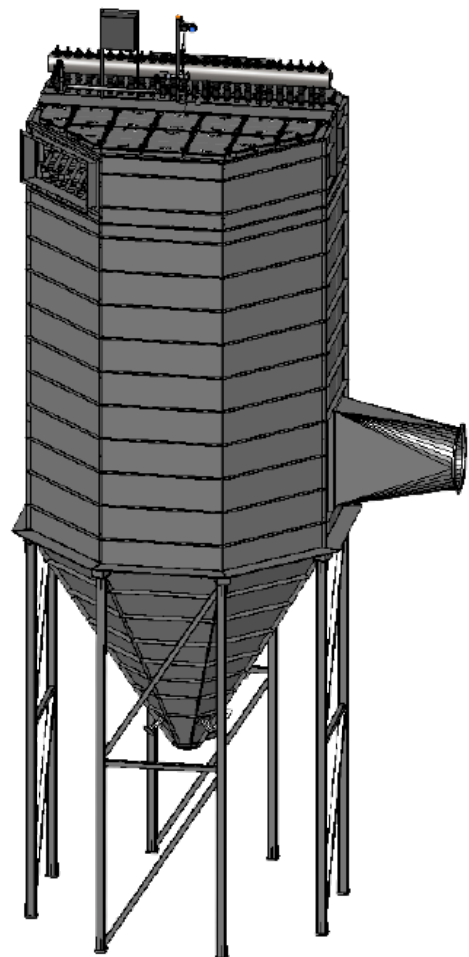
- Dual-flow gas approach, where the gas enters from the bottom and the sides of the bags. This ensures a low, uniform velocity over the entire bag filtration area, meaning you can use longer bags, which reduces the filter footprint.
- Optimal control of gas distribution and the ideal dual-flow split, with significant dust being pre-separated to the hopper. This leads to lower compressed air usage and increases the lifetime of the bags, leading to lower OPEX.
- The pulse jet system automatically cleans the bags row-by-row as the dust is being filtered not requiring special requirements.

Savings

- The long filter bag technology reduces filter footprint and CAPEX. The compact design makes it easy to manufacture, transport and construct onsite.
- Thanks to the unique gas distribution and pre-separation of dust, DC8 filters' 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 octagonal shape casing and the width of the eight side panels and tube sheet elements fit into a standard shipping container. The containers are packed with a focus on utilising the entire space, reducing the number of containers required and minimising transportation costs.

Flexibility

- It comes in different pre-engineered standard sizes and bag lengths to fit a wide range of flows and applications. If needed, multiple units can be arranged in a cluster.
- You can separate almost any kind of dust – fine, abrasive, sticky.
- Possibility of using various type of bag materials.



Subject to alterations

Features

- Capacity: 25,000 – 185,000 m³/h
- Filter size: 427 – 2,504 m² filter surface
- Standard 10% vacuum (1000 mmWC)
- Top access, either enclosure or Walk-in plenum
- Works on both dry, abrasive and sticky products
- Bag removal via clean air sides
- Available both as Walk-in plenum and with top access
- Bag size: 6-10m length, 5" diameter

Size	Number of bags	Filtration area 6 m bags [m2]	Filtration area 7 m bags [m2]	Filtration area 8 m bags [m2]	Filtration area 9 m bags [m2]	Filtration area 10 m bags [m2]
DC8-176-6 (7,8)	176	427	498	569	NA	NA
DC8-236-6 (7,8)	236	566	660	755	NA	NA
DC8-312-6 (7,8)	312	749	873	998	NA	NA
DC8-388-6 (7,8)	388	931	1086	1241	NA	NA
DC8-460-6 (7,8,9,10)	460	1101	1285	1468	1656	1840
DC8-528-6 (7,8,9,10)	528	1267	1478	1690	1901	2112
DC8-626-6 (7,8,9,10)	626	1502	1753	2003	2254	2504

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