

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, 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.

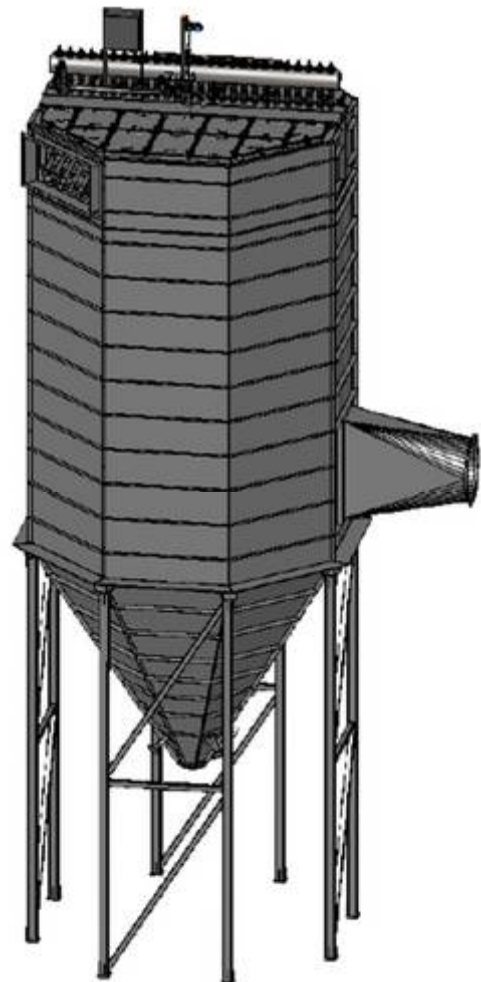
Thanks to the unique gas distribution and pre-separation of dust, DC8 filters' pulse jet cleaning system operates with a minimal number of cleaning cycles, resulting in low compressed air consumption, less wear of the bags and an increased bag lifetime.

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
- Capacity: 35,000 – 185,000 m³/h

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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