

BAG FILTER

Bag filters are used in biomass and waste burning systems. High-quality filters ensure efficient and effective cleaning of flue gases generated in the combustion process. Safe and efficient flue gas cleaning process is based on the capturing particulate matter and solids on the bags fabric surface.

To avoid residual dust build-up on the fabric surface, compressed streams of high pressure air are used to remove particulate matter within certain time intervals. During the cleaning, solids are dislodged and collected on the filter bottom, from where they are moved into the hopper by means of a rotating scraper arm to be finally removed from the filter into the conveyor and dust collector.

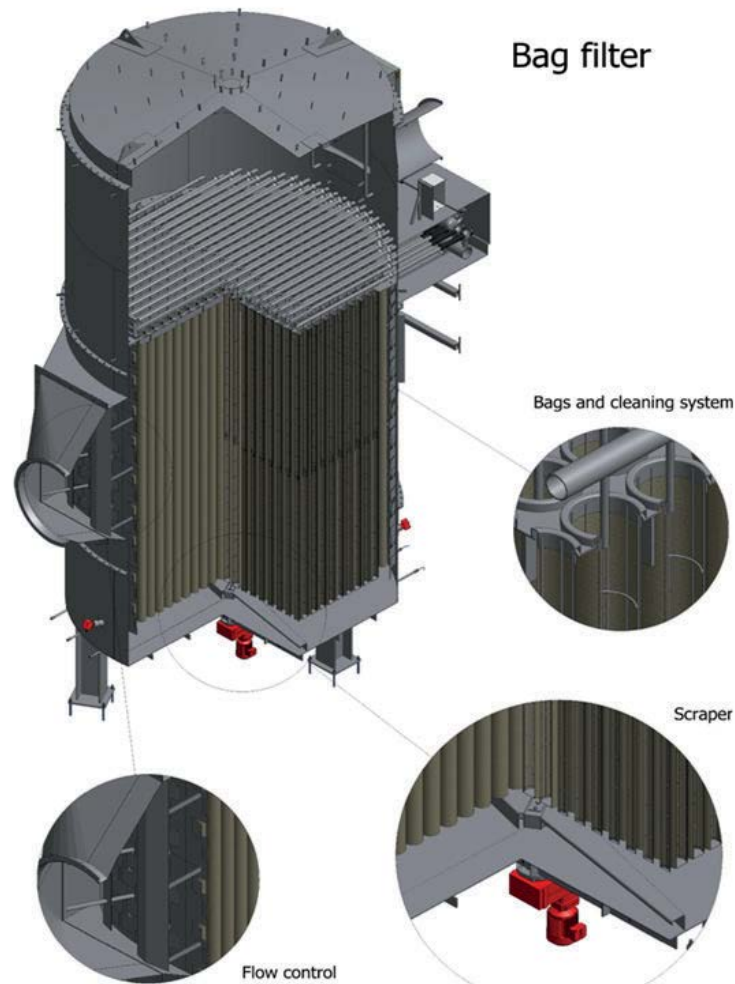
Heated floor keeps the temperature inside the filter above the dew point, which ensures long-term operation of the filter.



Advantages:

- minimal air consumption
- filter bags protected against moisture and harmful gases
- insulation and heated floor
- cleaning bags with compressed air
- flue gas cleaning of dust and solid particles at the level of 5 to 50 mg/Nm³

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Technical Data

Fuel	Flue gas temperature	Filter loading rate m ³ / m ² / h.
Dry straw	120°C	Max. 25
Pellets - 10% moisture content	120°C-180°C	Max. 35
Wood chips up to 45% moisture content	120°C-180°C	Max.35
Malt up to 45% moisture content	120°C-180°C	Max. 30