

## Central extraction systems – For daily stationary use

Central extraction units from IB Verfahrens- und Anlagentechnik are designed for demanding and daily use in industrial plants. Extraction systems with a central collection point and high capacity are more advantageous than smaller decentralised solutions, especially for large quantities of dust.

Whether shavings, pellets, flakes or fine dust: our solutions are used in a variety of different industries. These include power stations, waste incineration plants, cement works, foundries, animal feed companies and chemical plants. As a system provider, the individually configured systems are planned precisely to suit the application requirements, designed in terms of performance and delivered ready for connection.

- 1 **Raw gas pipe up to 250 m distance**  
at several suction points simultaneously

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- 2 **Filter separator**  
hose, pocket or cartridge filter

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- 3 **Lifting and pivoting device**  
for changing filters

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- 4 **Safety filter**  
with differential pressure monitoring

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- 5 **Explosion relief valve**  
up to max. explosion pressure of 10bar (optional)

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- 6 **Clean gas line**  
for connecting the separator and blower

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- 7 **Roots blowers**  
for vacuum generation

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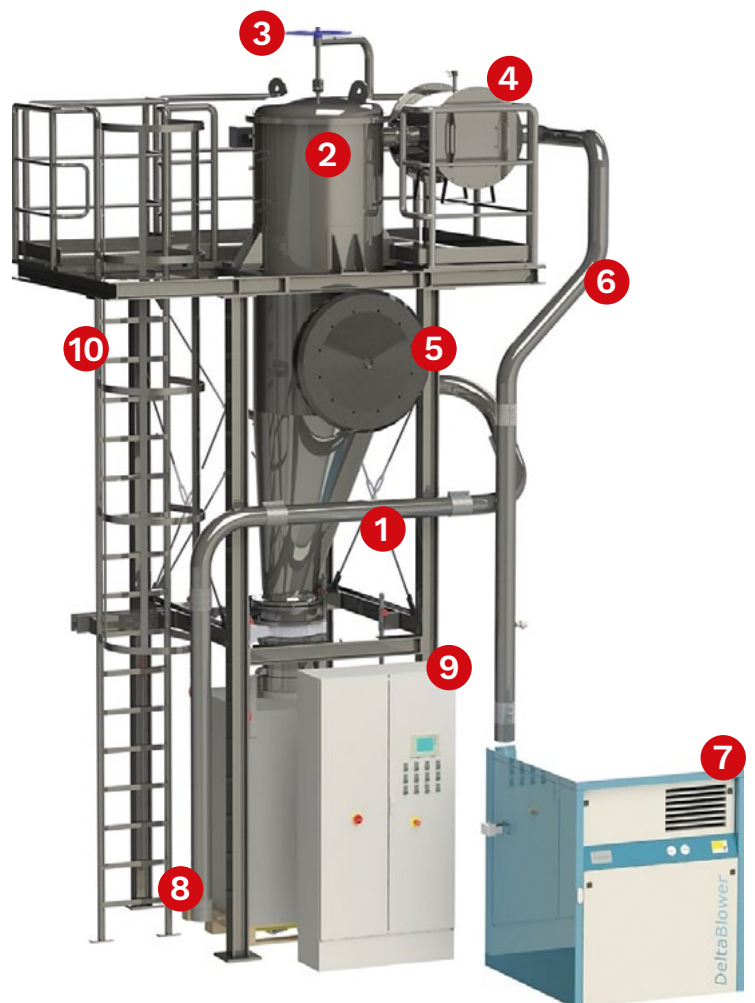
- 8 **Dust filling**  
in Big Bags, containers or silos

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- 9 **Switch cabinet**  
with touch panel and connection to control room

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- 10 **Steel construction with maintenance platform**  
adapted to local conditions



Any questions?  
 We will be happy to help

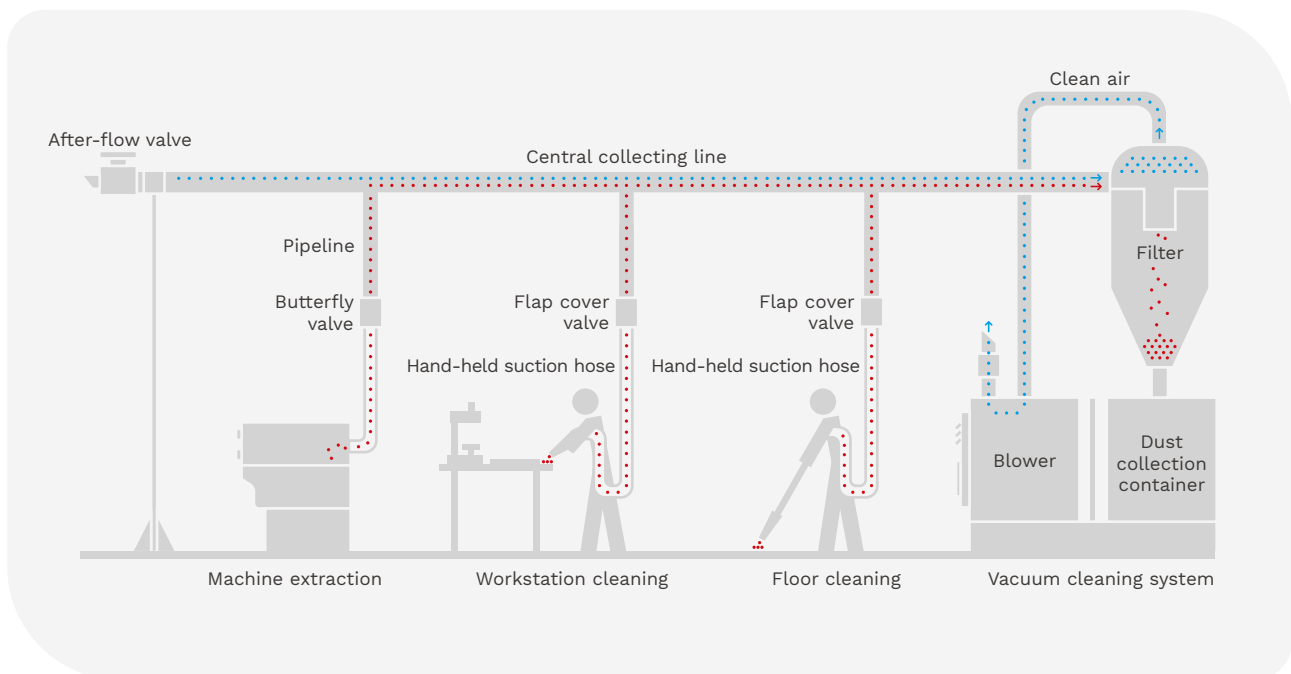
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## Central extraction systems – Conceptual description

Using a central extraction system in an industrial environment offers the advantage that very different extraction stations can be operated with a bundled vacuum supply and filter unit.

The benefits are plain to see: reduced maintenance compared to decentralised individual solutions and better dust disposal and filter cleaning options. Additionally, noise pollution in the workplace is reduced by the elimination of local vacuum cleaners.

With regard to explosion protection, the central approach means that no ATEX-compliant extraction technology is required on site – which makes the planning of such applications easier and more cost-effective.



### Features on the central extraction system

- > High operational safety
- > Parallel suction work possible
- > ATEX explosion protection
- > Suction lines up to 250 m away
- > Pipelines for abrasive media
- > Increased production times by reducing the amount of cleaning
- > Roots blower from all well-known manufacturers
- > Various suction and cleaning fittings