

Mobile extraction – On a large scale

For the extraction of dust on a larger scale IB Verfahrens- und Anlagentechnik constructs mobile machines directly onto the loading area of a truck or a trailer chassis. This technology provides power stations and industrial companies with a solution for extracting dust and bulk material efficiently and also flexibly in terms of space. The separation and collection of extracted dust takes place on board in a combined filter-separator. With regard to explosion protection, the mobile systems are explosion pressure shock resistant and can also be combined with a pressure relief system or with the explosion suppression system.

- 1 Connection**
to suction point via quick coupling (Perrot)

- 2 Filter separator**
with compressed air cleaning and safety filter

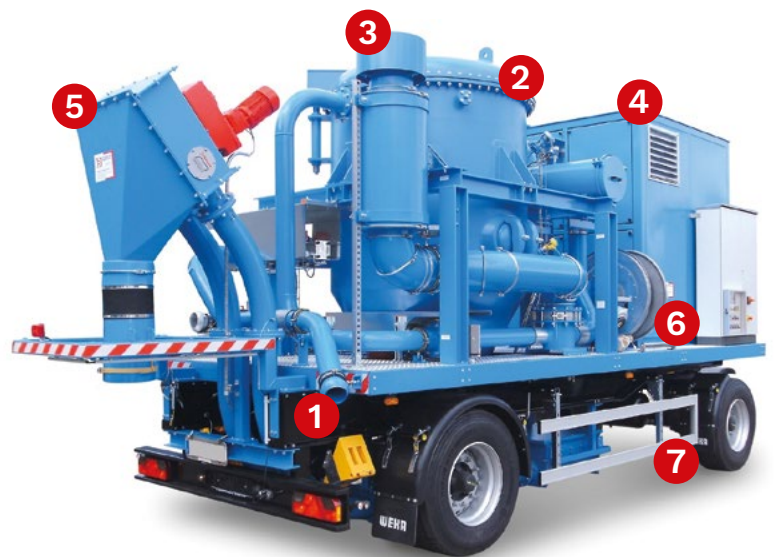
- 3 Exhaust silencer**
for conveying air

- 4 Enclosure**
Roots blower

- 5 Tube chain conveyor**
from the filter separator into the Big Bag

- 6 Electrical connection cable**
with CEE plug and cable drum

- 7 Chassis**
road legal



Features of the extraction system

- > Big Bag filling with tube chain conveyor
- > Conveying capacity up to 250 kg/h per suction point
- > Simultaneous operation of 4 suction points DN50
- > Connection to central piping system
- > Suction lines up to 250m in length
- > In accordance with ATEX-assessment
- > Road traffic license in accordance with German motor vehicle traffic regulations (StVZO)

Any questions?
We will be happy to help

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Mobile extraction – Compact on site

Mobile suction units are used on site to clean machines, plant components or entire industrial environments over large areas. This is primarily carried out with a suction lance at varying locations. This IB Verfahrens- und Anlagentechnik solution is equipped with a chassis including steering and drawbar for internal transport. The driving force for the volume flow is an energy-efficient rotary piston blower in a soundproof cabinet. The dust collection bin is placed directly underneath the separator and can be easily removed for emptying.

- 1 Connection**
to suction point via quick coupling (Perrot)

- 2 Filter separator**
with compressed air cleaning and safety filter

- 3 Safety filter**
in front of blower

- 4 Roots blower**
with sound enclosure

- 5 Dust collection container**
with a 200 litre capacity

- 6 Control cabinet**
with connection cable and CEE plug

- 7 Chassis**
for internal transport



Features of the extraction system

- > Vacuum conveying with a conveying rate up to 250 kg/h
- > 200 litre dust collection bin
- > Chassis for internal transport
- > Connection to central piping system
- > Suction lines up to 250 m
- > In accordance with ATEX-assessment