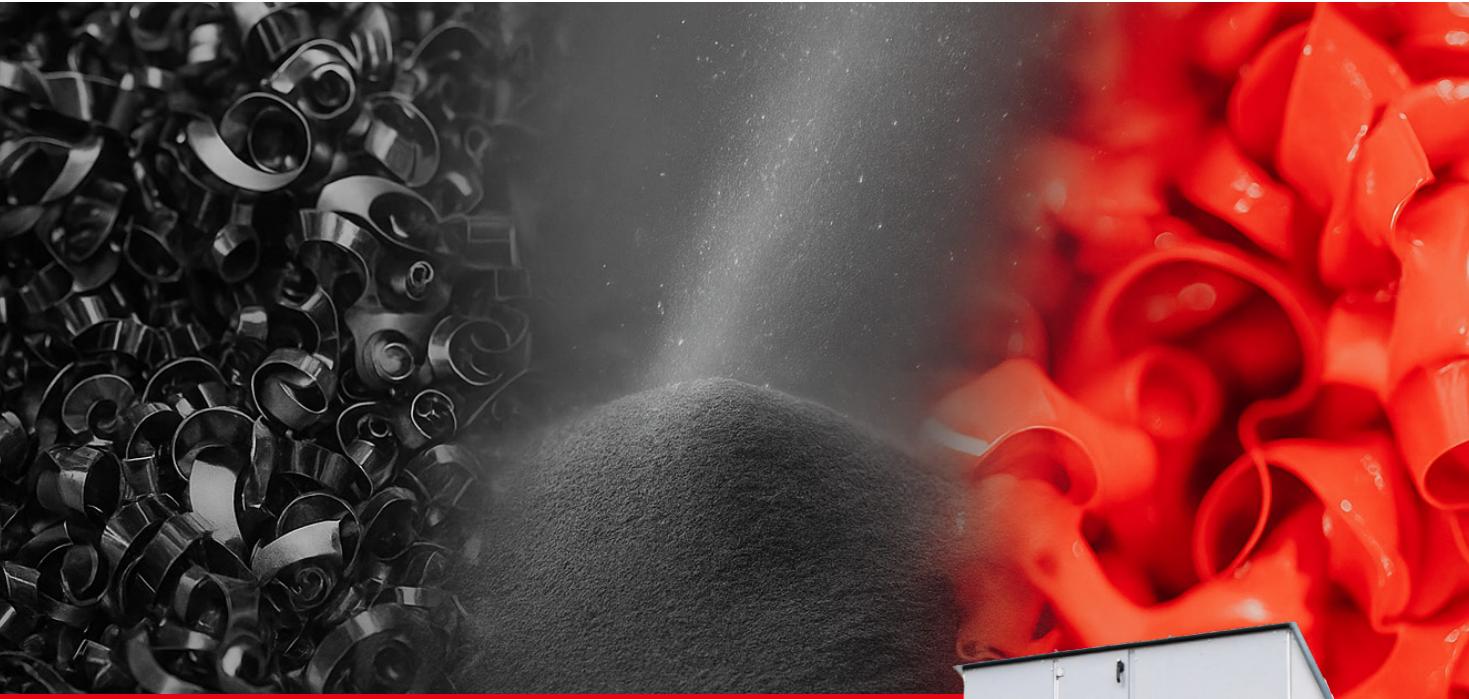


EXTRACTION TECHNOLOGY

**AL-KO**  
QUALITY FOR LIFE



MOBIL AND STATIONARY

# AL-KO DUST EXTRACTORS AND EXTRACTION SYSTEMS

For dust and chips



MADE IN GERMANY

[alko-extractiontechnology.com](http://alko-extractiontechnology.com)

# AL-KO PURE AIR DUST EXTRACTOR CLEAN UNIT D

Mobile dust extractors with cartridge filters for extracting dry dust and chips.



## Options

- Patented dust compartment for dust-free emptying of container
- Frequency inverter for energy-efficient operation
- Various filter materials
- Noise-dampening hood and exhaust hoods
- H13 and H14 post-filters
- Pre-separator chamber, spark trap, extinguishing device
- Extensive accessories

| Typ                             | D 28-2.2                | D 35-3.0                | D 56-7.5                | D 69-7.5                |
|---------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Article Number</b>           | 197 410                 | 197 411                 | 197 412                 | 197 413                 |
| <b>Suction Nozzle Ø</b>         | 160 mm                  | 200 mm                  | 250 mm                  | 300 mm                  |
| <b>Motor rating</b>             | 2.2 kW                  | 3.0 kW                  | 7.5 kW                  | 7.5 kW                  |
| <b>Supply voltage</b>           | 400 V / 50 Hz           |
| <b>Airflow</b>                  | 2,200 m <sup>3</sup> /h | 3,200 m <sup>3</sup> /h | 5,000 m <sup>3</sup> /h | 6,000 m <sup>3</sup> /h |
| <b>Vacuum</b>                   | 2,800 Pa                | 3,200 Pa                | 3,800 Pa                | 4,000 Pa                |
| <b>Filter area</b>              | 28 m <sup>2</sup>       | 35 m <sup>2</sup>       | 56 m <sup>2</sup>       | 69 m <sup>2</sup>       |
| <b>Chip Collection Volume</b>   | 150 l                   | 150 l                   | 150 l                   | 150 l                   |
| <b>Sound pressure level</b>     | 70 dB (A)               | 72 dB (A)               | 72 dB (A)               | 72 dB (A)               |
| <b>Dimensions (W/D/H) in mm</b> | 1,660 x 1,106 x 2,075   | 1,650 x 1,106 x 2,075   | 1,910 x 1,106 x 2,075   | 1,915 x 1,106 x 2,075   |
| <b>Weight</b>                   | 450 kg                  | 466 kg                  | 612 kg                  | 621 kg                  |

## Application areas

- Single and multi-station extraction
- Direct extraction at machines and workstations
- Grinding, deburring, sawing, filling, and much more

## Your benefits

- High extraction capacity
- Long filter life
- Quiet and energy-efficient

## Suitable for

- Metal dust and metal chips
- Plastics and composite materials

## Features

- Integrated pre-separation chamber with non-return flap
- Filter cartridges with jet pulse cleaning system



# AL-KO PURE AIR DUST EXTRACTOR CLEAN UNIT D EX

Mobile dust extractors with cartridge filters for extracting aluminum dust and chips, as well as similar materials in category ST1.



## Options

- Patented dust compartment for dust-free emptying of container
- Noise-dampening hood and exhaust hoods
- H13 and H14 post-filters
- Extensive accessories

| Typ                             | D 28-2.2Ex              | D 35-3.0Ex              | D 56-7.5Ex              | D 69-7.5Ex              |
|---------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Article Number</b>           | 197 442                 | 197 443                 | 197 444                 | 197 445                 |
| <b>Suction Nozzle Ø</b>         | 160 mm                  | 200 mm                  | 250 mm                  | 300 mm                  |
| <b>Motor rating</b>             | 2.2 kW                  | 3.0 kW                  | 7.5 kW                  | 7.5 kW                  |
| <b>Supply voltage</b>           | 400 V / 50 Hz           |
| <b>Airflow</b>                  | 2,200 m <sup>3</sup> /h | 3,200 m <sup>3</sup> /h | 5,000 m <sup>3</sup> /h | 6,000 m <sup>3</sup> /h |
| <b>Vacuum</b>                   | 2,800 Pa                | 3,200 Pa                | 3,800 Pa                | 4,000 Pa                |
| <b>Filter area</b>              | 28 m <sup>2</sup>       | 35 m <sup>2</sup>       | 56 m <sup>2</sup>       | 69 m <sup>2</sup>       |
| <b>Chip Collection Volume</b>   | 150 l                   | 150 l                   | 150 l                   | 150 l                   |
| <b>Sound pressure level</b>     | 70 dB (A)               | 72 dB (A)               | 72 dB (A)               | 72 dB (A)               |
| <b>Dimensions (W/D/H) in mm</b> | 1,660 x 1,106 x 2,075   | 1,650 x 1,106 x 2,075   | 1,910 x 1,106 x 2,075   | 1,915 x 1,106 x 2,075   |
| <b>Weight</b>                   | 450 kg                  | 466 kg                  | 612 kg                  | 621 kg                  |

## Application areas

- Single and multi-station extraction
- Direct extraction at machines and workstations

## Your benefits

- High extraction capacity
- Long filter life
- Dry separation of ST1 dusts under specified conditions

## Suitable for

- Aluminum dust and dusts of class ST1, considering specified parameters

## Features

- Integrated pre-separation chamber with non-return flap
- Filter cartridges with jet pulse cleaning system

Expert opinion from an external specialist



# AL-KO STATIONARY EXTRACTION SYSTEM FLEX UNIT D

Modular extraction systems with filter cartridges for extracting dust and chips. Standard systems available in 4 performance sizes. Customizable for air flow rates up to 150,000 m<sup>3</sup>/h.

## Options

- Individually plant planning for air flow rates up to 150,000 m<sup>3</sup>/h
- Configuration for ST1 dusts
- Combination with AL-KO heat recovery
- Various filter materials
- H13 and H14 post-filters
- Complete solutions with capturing hoods, pipe system and installation



| Typ                             | D 56-7.5                | D 112-15                 | D 155-18.5               | D 210-22                 |
|---------------------------------|-------------------------|--------------------------|--------------------------|--------------------------|
| <b>Article Number</b>           | 197 446                 | 197 447                  | 197 448                  | 197 449                  |
| <b>Suction Nozzle Ø</b>         | 280 mm                  | 400 mm                   | 500 mm                   | 600 mm                   |
| <b>Motor rating</b>             | 7.5 kW                  | 15.0 kW                  | 18.5 kW                  | 22.0 kW                  |
| <b>Supply voltage</b>           | 400 V / 50 Hz           | 400 V / 50 Hz            | 400 V / 50 Hz            | 400 V / 50 Hz            |
| <b>Airflow</b>                  | 5,750 m <sup>3</sup> /h | 10,600 m <sup>3</sup> /h | 15,000 m <sup>3</sup> /h | 20,000 m <sup>3</sup> /h |
| <b>Vacuum</b>                   | 2,650 Pa                | 3,400 Pa                 | 3,100 Pa                 | 3,000 Pa                 |
| <b>Filter area</b>              | 56 m <sup>2</sup>       | 112 m <sup>2</sup>       | 155 m <sup>2</sup>       | 210 m <sup>2</sup>       |
| <b>Chip Collection Volume</b>   | 160 l                   | 160 l                    | 160 l                    | 2 x 160 l                |
| <b>Sound pressure level</b>     | 65 dB (A)               | 67 dB (A)                | 65 dB (A)                | 66 dB (A)                |
| <b>Dimensions (W/D/H) in mm</b> | 1,110 x 1,723 x 3,423   | 1,606 x 1,606 x 4,493    | 1,736 x 1,736 x 5,181    | 2,730 x 1,736 x 5,487    |

## Application areas

- Single and multi-station extraction
- Processes and applications where fine dust is generated
- Metalworking and metal processing, bulk material and recycling industry, and much more.

## Your benefits

- High suction power and optimal filtration
- Quiet and energy-efficient
- Compact design

## Suitable for

- Metal dust and metal chips
- Plastics and composite materials

## Features

- Noise-dampening housing made of double walled AL-KO panels



# AL-KO EXTRACTION SYSTEMS WITH HEAT RECOVERY FLEX UNIT D ECO

Extraction systems with filter cartridges and integrated heat recovery. For extracting health-hazardous particles.

Fresh air in the workspace with maximum energy efficiency and a compact design.



## Options

- Various filter materials
- Heating and cooling coils
- Complete solutions with capturing hoods, pipe system and installation
- Larger air flow available on request

| Typ                             | D ECO 84-7.5            | D ECO 126-11            | D ECO 168-15             | D ECO 252-22             | D ECO 252-30             |
|---------------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|
| <b>Article Number</b>           | 197 450                 | 197 451                 | 197 452                  | 197 453                  | 196 006                  |
| <b>Motor rating</b>             | 7.5 kW                  | 11.0 kW                 | 2 x 7.5 kW               | 2 x 11.0 kW              | 2 x 15.0 kW              |
| <b>Rated motor power WRG</b>    | 4.5 kW                  | 4.5 kW                  | 2 x 4.5 kW               | 2 x 4.5 kW               | 2 x 4.5 kW               |
| <b>Supply voltage</b>           | 400 V / 50 Hz           | 400 V / 50 Hz           | 400 V / 50 Hz            | 400 V / 50 Hz            | 400 V / 50 Hz            |
| <b>Airflow</b>                  | 5,200 m <sup>3</sup> /h | 9,000 m <sup>3</sup> /h | 10,400 m <sup>3</sup> /h | 18,000 m <sup>3</sup> /h | 20,000 m <sup>3</sup> /h |
| <b>Vacuum</b>                   | 2,800 Pa                | 2,800 Pa                | 2,800 Pa                 | 2,800 Pa                 | 3,200 Pa                 |
| <b>Filter area</b>              | 84 m <sup>2</sup>       | 126 m <sup>2</sup>      | 168 m <sup>2</sup>       | 252 m <sup>2</sup>       | 252 m <sup>2</sup>       |
| <b>Sound pressure level</b>     | 65 dB (A)               | 67 dB (A)               | 65 dB (A)                | 66 dB (A)                | 66 dB (A)                |
| <b>Dimensions (W/D/H) in mm</b> | 4,088 x 1,414 x 3,103   | 4,850 x 1,414 x 3,103   | 4,088 x 2,714 x 3,103    | 4,850 x 2,714 x 3,103    | 4,850 x 2,714 x 3,103    |

\*including filters and control system

## Application areas

- Single and multi-station extraction
- Processes and applications where health-hazardous dust is generated
- Metalworking and metal processing
- Bulk material and recycling industry, and much more.

## Suitable for

- Metal dust and metal chips
- Plastics and composite materials
- Bulk materials

## Features

- Extraction and filtration technology combined with efficient heat recovery

## Your benefits

- Best air quality with maximum efficiency
- Quiet and compact
- Short installation time - delivered fully assembled



# AL-KO WET SEPARATOR AQUA JET

Extraction systems with filtration through a water bath.

## Options

- Configuration for aluminum dust
- Stainless steel construction
- H13 post-filter
- Automatic sludge discharge
- Larger air volumes available on request
- Capturing hoods, pipe system and installation



| Typ                             | 180-3.0                 | 250-4.0                 | 350-7.5                 | 400-11                   |
|---------------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| <b>Article Number</b>           | 197 466                 | 197 467                 | 197 468                 | 197 469                  |
| <b>Suction Nozzle Ø</b>         | 180 mm                  | 250 mm                  | 350 mm                  | 400 mm                   |
| <b>Motor rating</b>             | 3.0 kW                  | 4.0 kW                  | 7.5 kW                  | 11.0 kW                  |
| <b>Supply voltage</b>           | 400 V / 50 Hz            |
| <b>Airflow</b>                  | 2,000 m <sup>3</sup> /h | 4,000 m <sup>3</sup> /h | 8,000 m <sup>3</sup> /h | 10,000 m <sup>3</sup> /h |
| <b>Vacuum</b>                   | 1,900 Pa                | 2,225 Pa                | 2,300 Pa                | 2,200 Pa                 |
| <b>Water tank volume</b>        | 200 l                   | 240 l                   | 530 l                   | 690 l                    |
| <b>Dimensions (W/D/H) in mm</b> | 900 x 1,360 x 2,250     | 900 x 1,800 x 2,250     | 1,900 x 1,800 x 2,250   | 2,300 x 1,800 x 2,250    |
| <b>Weight (without water)</b>   | 320 kg                  | 320 kg                  | 420 kg                  | 720 kg                   |

## Your benefits

- High separation efficiency
- Safe separation of critical substances
- Easy cleaning and emptying



## Application areas

- Single and multi-station extraction
- Processes with critical dusts, sparks, or oily, moist particles
- Metalworking and metal processing
- Grinding, polishing, deburring

## Suitable for

- Metal dust and metal chips
- Glass manufacturing
- Ceramic industry

## Features

- Strong extraction power and high separation efficiency
- Control with frequency inverter
- Automatic water level regulation

## AL-KO CLEAN UNIT D

Extraction at a profile saw



## AL-KO CLEAN UNIT D EX

Extraction at an aluminum grinding station



## AL-KO FLEX UNIT D

Extraction of metal grinding dust at multiple workstations



## AL-KO FLEX UNIT D ECO

Extraction at various metalworking stations



## AL-KO AIRTECH

AL-KO Airtech is the specialist in the manufacturing and distribution of extraction and ventilation systems. Airtech includes **AL-KO Extraction Technology** and **AL-KO Air Technology**. These business units develop and produce customized air handling systems as well as a wide range of industrial extraction systems for various applications. What began in 1931 as a small village forge is now a global brand. Then and now, the brand promise "QUALITY FOR LIFE" stands for unique product and service quality.

## AL-KO EXTRACTION TECHNOLOGY

- ✓ **Over 35 years of experience** – Competence & innovation in Extraction Technology
- ✓ **Tested & certified** – highest safety and quality
- ✓ **5,000+ systems per year** – proven AL-KO quality in use
- ✓ **Diverse solutions** – Standard devices & customized systems
- ✓ **Everything from a single source** – Planning, digital tools, control & service

**AL-KO THERM GMBH**  
**EXTRACTION TECHNOLOGY**  
Hauptstraße 248 – 250  
89343 Jettingen-Scheppach  
Tel.: +49 8225 39 2412  
et\_contact@alko-air.com

© AL-KO THERM GmbH, images show configuration examples that are not available in all markets.  
Please ask your AL-KO advisor. Changes in serving technical progress reserved. Liability for errors  
and printing mistakes excluded.



[alko-extractiontechnology.com](http://alko-extractiontechnology.com)