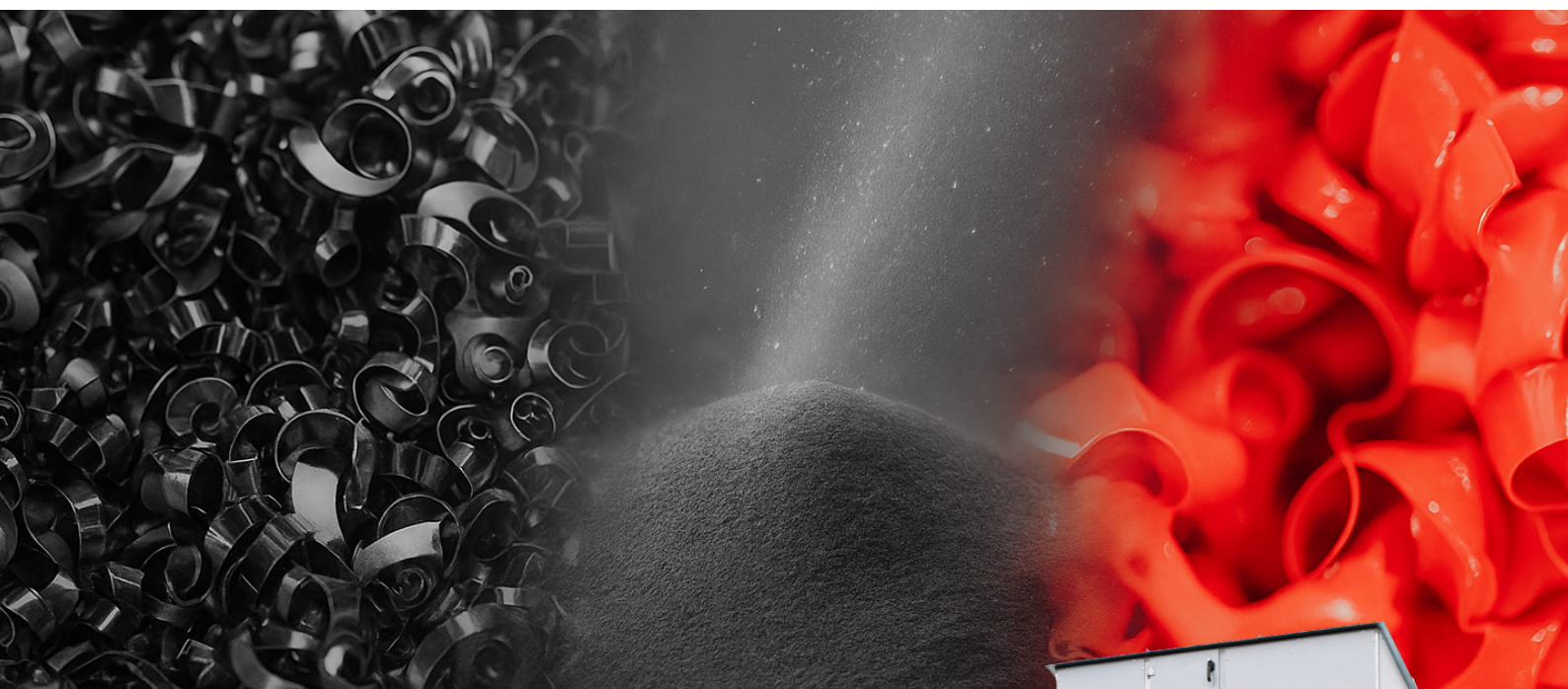


EXTRACTION TECHNOLOGY

**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          |
|--------------------------|-------------------|-------------------|-------------------|-------------------|
| Device type              | 197 410           | 197 411           | 197 412           | 197 413           |
| Suction Nozzle Ø         | 160 mm            | 200 mm            | 250 mm            | 300 mm            |
| Motor rating             | 2.2 kW            | 3.0 kW            | 7.5 kW            | 7.5 kW            |
| Supply voltage           | 400 V / 50 Hz     | 400 V / 50 Hz     | 400 V / 50 Hz     | 400 V / 50 Hz     |
| Airflow                  | 2,200 m³/h        | 3,200 m³/h        | 5,000 m³/h        | 6,000 m³/h        |
| Vacuum                   | 2,800 Pa          | 3,200 Pa          | 3,800 Pa          | 4,000 Pa          |
| Filter area              | 28 m²             | 35 m²             | 56 m²             | 69 m²             |
| Chip Collection Volume   | 150 L             | 150 L             | 150 L             | 150 L             |
| Sound pressure level     | 70 dB (A)         | 72 dB (A)         | 72 dB (A)         | 72 dB (A)         |
| Dimensions (W/D/H) in mm | 1,660x1,106x2,075 | 1,650x1,106x2,075 | 1,910x1,106x2,075 | 1,915x1,106x2,075 |
| Weight                   | 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        |
|--------------------------|-------------------|-------------------|-------------------|-------------------|
| Device type              | 197 442           | 197 443           | 197 444           | 197 445           |
| Suction Nozzle Ø         | 160 mm            | 200 mm            | 250 mm            | 300 mm            |
| Motor rating             | 2.2 kW            | 3.0 kW            | 7.5 kW            | 7.5 kW            |
| Supply voltage           | 400 V / 50 Hz     | 400 V / 50 Hz     | 400 V / 50 Hz     | 400 V / 50 Hz     |
| Airflow                  | 2,200 m³/h        | 3,200 m³/h        | 5,000 m³/h        | 6,000 m³/h        |
| Vacuum                   | 2,800 Pa          | 3,200 Pa          | 3,800 Pa          | 4,000 Pa          |
| Filter area              | 28 m²             | 35 m²             | 56 m²             | 69 m²             |
| Chip Collection Volume   | 150 L             | 150 L             | 150 L             | 150 L             |
| Sound pressure level     | 70 dB (A)         | 72 dB (A)         | 72 dB (A)         | 72 dB (A)         |
| Dimensions (W/D/H) in mm | 1,660x1,106x2,075 | 1,650x1,106x2,075 | 1,910x1,106x2,075 | 1,915x1,106x2,075 |
| Weight                   | 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 m³/h.



## Options

- Individually plant planning for air flow rates up to 150,000 m³/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          |
|--------------------------|-------------------|-------------------|-------------------|-------------------|
| Device type              | 197 446           | 197 447           | 197 448           | 197 449           |
| Suction Nozzle Ø         | 280 mm            | 400 mm            | 500 mm            | 600 mm            |
| Motor rating             | 7.5 kW            | 15.0 kW           | 18.5 kW           | 22.0 kW           |
| Supply voltage           | 400 V / 50 Hz     | 400 V / 50 Hz     | 400 V / 50 Hz     | 400 V / 50 Hz     |
| Airflow                  | 5,750 m³/h        | 10,600 m³/h       | 15,000 m³/h       | 20,000 m³/h       |
| Vacuum                   | 2,650 Pa          | 3,400 Pa          | 3,100 Pa          | 3,000 Pa          |
| Filter area              | 56 m²             | 112 m²            | 155 m²            | 210 m²            |
| Chip Collection Volume   | 160 L             | 160 L             | 160 L             | 2 x 160 L         |
| Sound pressure level     | 65 dB (A)         | 67 dB (A)         | 65 dB (A)         | 66 dB (A)         |
| Dimensions (W/D/H) in mm | 1,110x1,723x3,423 | 1,606x1,606x4,493 | 1,736x1,736x5,181 | 2,730x1,736x5,487 |

## 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

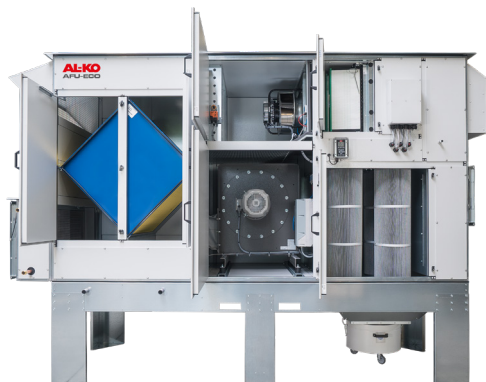
## Features

- 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      |
|--------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Device type              | 197 450           | 197 451           | 197 452           | 197 453           | 196 006           |
| Motor rating             | 7.5 kW            | 11.0 kW           | 2 x 7.5 kW        | 2 x 11.0 kW       | 2 x 15.0 kW       |
| Rated motor power WRG    | 4.5 kW            | 4.5 kW            | 2 x 4.5 kW        | 2 x 4.5 kW        | 2 x 4.5 kW        |
| Supply voltage           | 400 V / 50 Hz     | 400 V / 50 Hz     | 400 V / 50 Hz     | 400 V / 50 Hz     | 400 V / 50 Hz     |
| Airflow                  | 5,200 m³/h        | 9,000 m³/h        | 10,400 m³/h       | 18,000 m³/h       | 20,000 m³/h       |
| Vacuum                   | 2,800 Pa          | 2,800 Pa          | 2,800 Pa          | 2,800 Pa          | 3,200 Pa          |
| Filter area              | 78 m²             | 126 m²            | 168 m²            | 252 m²            | 252 m²            |
| Sound pressure level     | 65 dB (A)         | 67 dB (A)         | 65 dB (A)         | 66 dB (A)         | 66 dB (A)         |
| Dimensions (W/D/H) in mm | 4,088x1,414x3,103 | 4,850x1,414x3,103 | 4,088x2,714x3,103 | 4,850x2,714x3,103 | 4,850x2,714x3,103 |

\*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                      | 180-2.2          | 250-3.0         | 350-7.5           | 400-11            |
|--------------------------|------------------|-----------------|-------------------|-------------------|
| Device type              | 197 466          | 197 467         | 197 468           | 197 469           |
| Suction Nozzle Ø         | 180 mm           | 250 mm          | 350 mm            | 400 mm            |
| Motor rating             | 2.2 kW           | 3.0 kW          | 7.5 kW            | 11.0 kW           |
| Supply voltage           | 400 V / 50 Hz    | 400 V / 50 Hz   | 400 V / 50 Hz     | 400 V / 50 Hz     |
| Airflow                  | 2,000 m³/h       | 3,500 m³/h      | 8,000 m³/h        | 12,000 m³/h       |
| Vacuum                   | 1,900 Pa         | 2,225 Pa        | 2,300 Pa          | 2,200 Pa          |
| Water tank volume        | 200 L            | 240 L           | 530 L             | 690 L             |
| Dimensions (W/D/H) in mm | 900x1,360 x2,250 | 900x1,800x2,250 | 1,900x1,800x2,250 | 2,300x1,800x2,250 |
| Weight (without water)   | 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

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