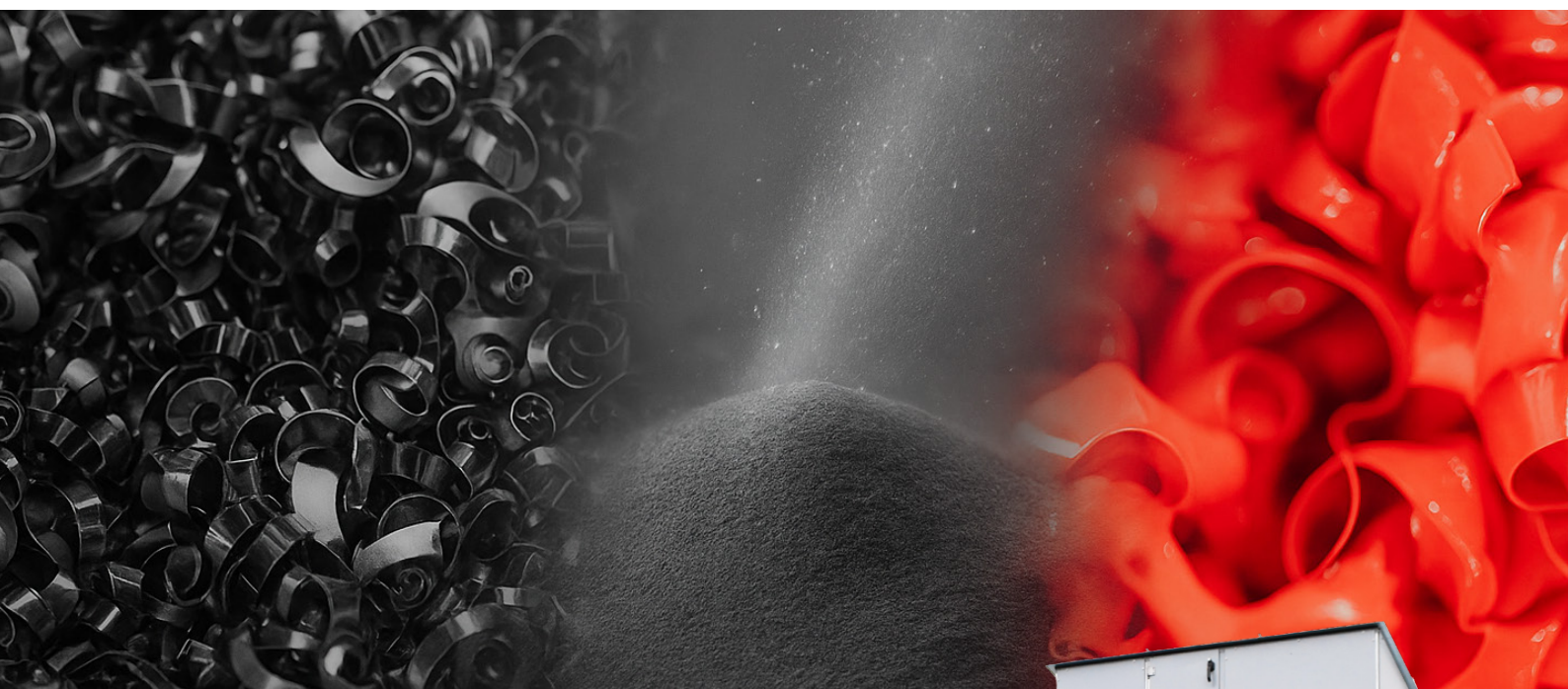


EXTRACTION TECHNOLOGY

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

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
Article Number	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	1,660 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
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

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

Your benefits

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



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
Article Number	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	1,660 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
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
Article Number	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 m ³ /h	10,600 m ³ /h	15,000 m ³ /h	20,000 m ³ /h
Vacuum	2,650 Pa	3,400 Pa	3,100 Pa	3,000 Pa
Filter area	56 m ²	112 m ²	155 m ²	210 m ²
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	1,110 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

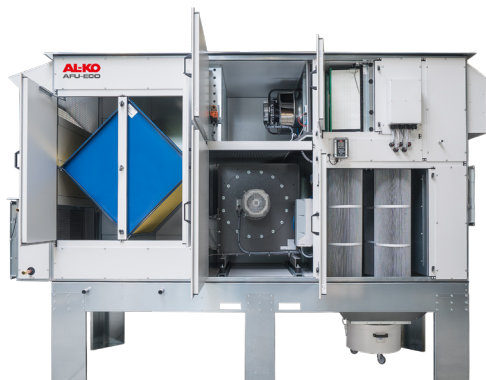
Features

- 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
Article Number	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	84 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	4,088 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
Article Number	197 466	197 467	197 468	197 469
Suction Nozzle Ø	180 mm	250 mm	350 mm	400 mm
Motor rating	3.0 kW	4.0 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	4,000 m³/h	8,000 m³/h	10,000 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	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
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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