

Pure air dust extractor

mobil power JET 250/300 for interior installation



Surface filtration
Jet cleaning – the approved method

- compact design, space-saving dimensions
- assembled ready for connection
- all-purpose applicable
- maintenance friendly, long duration of filter
- free adaptable PLC control (switch cabinet)
- energy-saving
- in accordance with regulations
- 100% air feed-back



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The alternative to an external filter system.

- The tubeless chip bins can be emptied easily and rapidly.
- 100% air feedback without additional costs or structural efforts.
- Low costs for tube elements and assembly, especially upon exchange of old and non-licensed plants.
- Possibility to order the unit with filling bin, briquette press or bucket wheel feeder. A later conversion is possible without any problems.
- Owing to the new filter concept it was possible to obtain compact dimensions. Because of that the units can be positioned in areas that have not been used until now.
- Integral initial separator for reduction of load and protection of filters.
- For use in “niches of the workshop”, the suction side can be converted either to the left or to the right.
- All units are fabricated in galvanized design with subsequent powder coating.

Pure air

due to low residual dust loading with the approved AL-KO OPTI JET® system

The ideal connection of surface filtration and jet cleaning facilitates to observe safely and permanently a residual dust loading below 0.1 mg/m^3 .

The advantage of the surface filtration is that chips and dust will be deposited on the surface of the filter material, thus avoiding particles penetrating into the filter medium. During the filtration phase the filter material leans against the support cage and forms a starlike cross section.

Upon jet cleaning, the second component of AL-KO OPTI JET® method, the filter hose will be brought back to its initial form by means of a compressed air push, so that the filter cake will be blast off from the surface and the fine particulates will be dashed away.

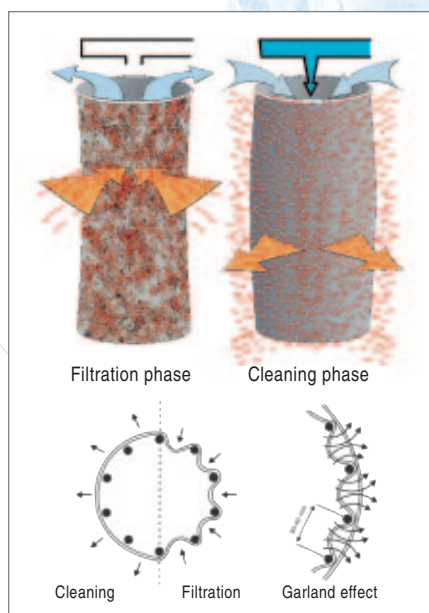
Low operating costs due to long durability of filter

The filter material with stable filter resistance has an extremely high load-bearing capacity and in addition it can be washed up to three times due to a grammage of 400 g/m^2 and the special surface treatment.

due optimal plant control

The automatic starter system of the unit saves time-killing manual switch-on and off and ensures that the dust extractor is only in operation if the processing machines are used.

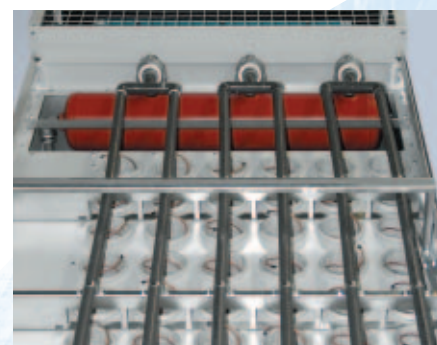
The automatic filter jet cleaning is carried out during operation and after switch-off, so that unproductive breaks are omitted.



Low-dust disposal



Integral automatic fire extinguishing system, tested according to GS-HO-14



OPTI-JET®-filter cleaning

due to saving of heating costs

The direct location of the dust extractor in the workroom and the 100% air feedback maintain the temperature in the workshop.

Low noise level

due to integral silencer

The spaciouly dimensioned blow-out area of the mobil power JET 250/300 with integral damping elements provides a draught-free and silent feedback of the exhausted air.

Easy to maintain

due to optimal jet cleaning

The continuous filter cleaning grants a permanent optimal maintenance of the filters. In addition, the filter material can be washed up to three times, whereas the filter assembly is considerably facilitated by a snap ring lock.



Various substructures – such as filling bin, briquette press or bucket wheel feeder – permit a versatile use

The regulations GS HO-05 and GS-HO-14 of BG wood (Holz-Berufsgenossenschaft) have been considered internal installation.



mobil power JET 250-ZRS ▲

- non-pressurized discharge
- 960 mm length with 4 U/min
- for silo or container/filling stations

mobil power JET 300-BP ►

- compact design
- powerful
- integral briquette press
- huge oil volume
- optionally available with worm pre-compressor



With the optional slide valve control (for flexible assembly) it is possible to control 8 to 16 automatic slide valves.

Low investment costs due to internal installation

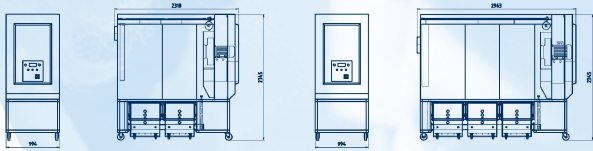
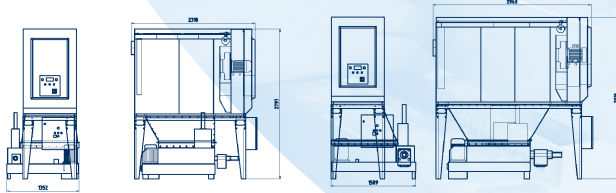
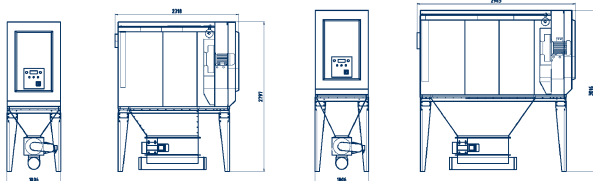
The admission for internal installation saves fire dampers, explosion decompression, return air duct and fire extinguishing line.

due to integral automatic fire extinguishing system

As prescribed in the regulation GS-HO-14, the large-scale dust extractors are equipped with an automatic fire extinguishing system in case of fire. Thanks to the integral tank for fire fighting AL-KO dust extractors do not require an external water supply.

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Technical Data	mobil power JET 250	mobil power JET 300
Aspiration hole	250 mm	300 mm
Machine control (option)	up to 16 machines, external	up to 16 machines, external
Motor and nominal output fan	6,5 kW / 400 V / 50 Hz	7,5 kW / 400 V / 50 Hz
Min. volumetric flow rate	3.532 m ³ /h	5.089 m ³ /h
Nominal volumetric flow rate	4.900 m ³ /h	6.000 m ³ /h
Depression at the interface with min. volumetric flow rate (4m hose)	2.740 Pa	2.280 Pa
Filter area	22.4 m ²	30.0 m ²
Filter material	cat. C electroconductive	cat. C electroconductive
Residual dust content	H3 (<0,1 mg/m ³)	H3 (<0,1 mg/m ³)
Fire extinguishing system	integral	integral
with filling bin		
Article number	195676	195677
Volume of chip bag	2 x 250 litres	3 x 166 litres
Dimensions (LxWxH) mm	2318 x 994 x 2346	2963 x 994 x 2346
Weight	680 kg	880 kg
Max. sound level	74 dB (A)	76 dB (A)
with briquette press		
Article number (without worm pre-compressor)	195871	195873
Article number (with worm pre-compressor)	195872	195874
Briquette output	30 – 50 kg/h, each depending on material	50 – 80 kg/h, each depending on material
Motor power briquette press	5,5 kW / 400 V / 50 Hz	7,5 kW / 400 V / 50 Hz
Diameter of briquette	50 mm	70 mm
Dimensions with press APC (LxWxH) mm	2318 x 1093 x 2737	2963 x 1238 x 2958
Weight	980 kg	1.500 kg
Storage volume in intermediate bin	500 litres	500 litres
Dimensions with APC-S (LxWxH) mm	2318 x 1352 x 2797	2963 x 1589 x 3018
Weight	1.020 kg	1.550 kg
Max. sound level	79 dB (A)	81 dB (A)
with Rotary valve		
Article number	195875	195876
Dimensions with rotary valve (LxWxH) mm	2318 x 1006 x 2797	2963 x 1006 x 3016
Feed capacity with 100% filling	45.000 l/h	45.000 l/h
Drive power motor	0,55 kW	0,55 kW
Weight	680 kg	820 kg