

ECOKRAFT DEDUST & FILTER SMU

SOLUTION FOR DUST COLLECTION



APPLICATIONS

The ECOKRAFT SMU dust extractor is an dedusting and filtering device for commercial use for installation on the ECOKRAFT material bunker. The dust extractor is suitable for dry wood, paper or plastic chips and dusts, which are produced by the ECOKRAFT cutter mill. Consisting of a vacuum-proof housing with suction connection and non-return flap, antistatic filter elements with Jet-Pulse cleaning, a high-performance radial fan with three-phase motor of energy efficiency class IE3 on the clean gas side, as well as integrated exhaust air silencing and air outlet grille. With a chip funnel as well as a circuit with 5 m connection cable and CEE appliance plug (16 A).

ADVANTAGES

- ✓ Dust-free further processing
- ✓ Automatic cleaning
- ✓ Industrial quality

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Switching on and off of the fan and dedusting is done manually via I/O buttons. Automatic start of the fan is possible via a potential-free contact. Type A according to DIN EN 16770:2018, without fire extinguishing system, tested according to the test principles GS-HO-07 of BGHM. Delivery includes rotary valve, level indicator, flashing beacon horn combi and suction pipe.



Pressed air connection for automatic cleaning



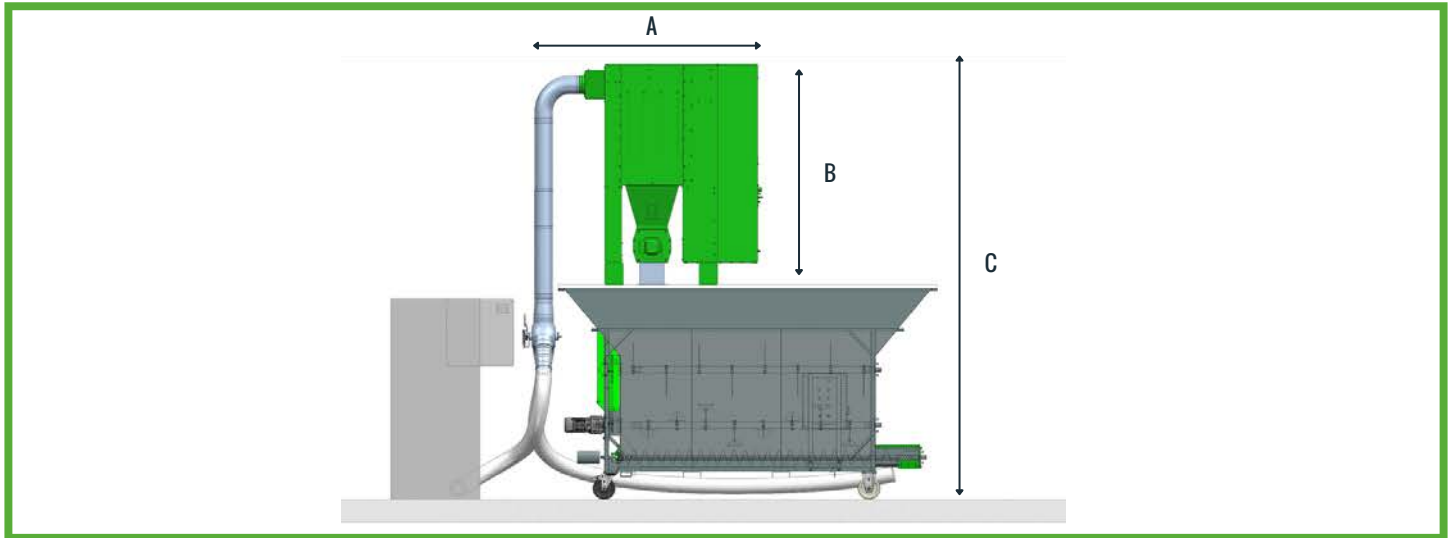
Mounted plant



Control



SPECIFICATIONS



TYPE	SMU32	SMU45
Suction nozzle	Ø 200 mm	Ø 250 mm
Residual dust content	< 0.1 mg/m ³ H3	< 0.1 mg/m ³ H3
Filter area	21 m ²	21 m ²
Cleaning	offline - compressed air Jet-Pulse	offline - compressed air Jet-Pulse
Compressed air supply	6 bar (connection plug nipple NW 7)	6 bar (connection plug nipple NW 7)
Volume flow	3,200 m ³ /h	4,500 m ³ /h
Nominal volume flow	2,260 m ³ /h (at 20 m/s in the suction nozzle)	3,530 m ³ /h (at 20 m/s in the suction nozzle)
Negative pressure	2,700 Pa (at suction nozzle at nominal volume flow)	2,700 Pa (at suction nozzle at nominal volume flow)
Sound pressure level MAX	65 dB (A) (distance to unit 1m)	65 dB (A) (distance to unit 1m)
Fan motor	4.0 kW, 230/400 V, 50 Hz, 3,000 min ⁻¹ , IP 54	5.5 kW, 230/400 V, 50 Hz, 3,000 min ⁻¹ , IP 54
Operating mode	Continuous operation, discontinuous	Continuous operation, discontinuous
Collecting volume	400 l	400 l
Length A	Ø 2,040 mm (2,360)	Ø 2,130 mm (2,480)
Width	900 mm	900 mm
Height B	2,400 mm	2,400 mm
Total height C	4,100 mm	4,100 mm
Weight	approx. 750 kg	approx. 775 kg

Technical data rotary valve

Productivity	approx. 5 m ³ /h at 50 % filling (strongly material-dependent)
Speed	10 /min
Connection dimensions	220 x 250 mm
Height	300 mm
Motor	0,37 kW 400 V / 50 Hz
Weight	approx. 45 kg

Product illustrations similar; Changes possible at any time; All information without guarantee; Acceptance by ECOKRAFT AG applies; Status: 06/2022

