

ECOKRAFT DEDUST & FILTER SMU

SOLUTION FOR DUST COLLECTION



AREAS OF APPLICATION

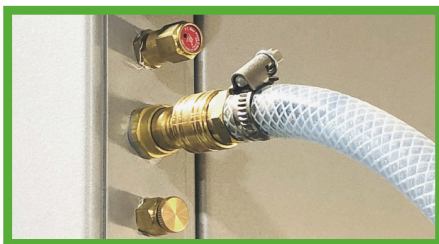
The ECOKRAFT SMU dust extractor is an dedusting and filtering device for commercial use for installation on the ECOKRAFT material bunker. The dust extractor is suitable for dry wood, paper or plastic chips and dusts, which are produced by the ECOKRAFT cutter mill. Consisting of a vacuum-proof housing 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



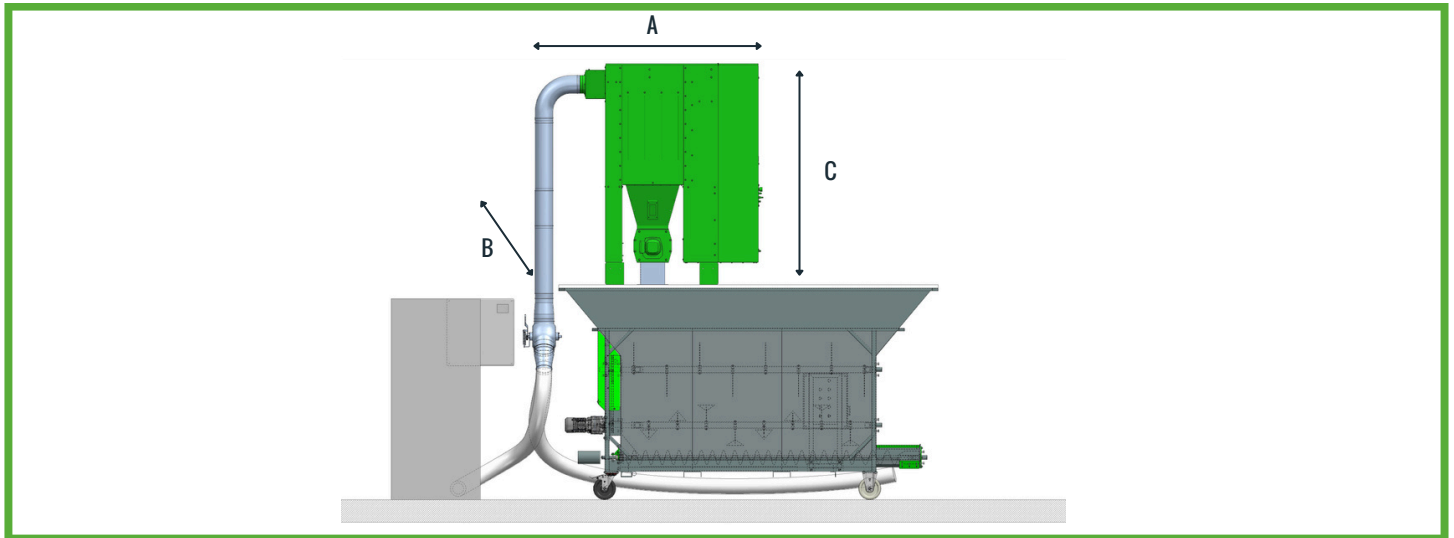
Mounted plant



Control



SPECIFICATIONS



TYPE	SMU32	SMU45	SMU60
Suction nozzle	Ø 200 mm	Ø 250 mm	Ø 300 mm
Residual dust content	< 0,1 mg/m ³ H3	< 0,1 mg/m ³ H3	< 0,1 mg/m ³ H3
Filter area	21 m ²	21 m ²	26 m ²
Cleaning	offline - compressed air Jet-Pulse	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)	6 bar (connection plug nipple NW 7)
Volume flow	3,200 m ³ /h	4,500 m ³ /h	6,000 m ³ /h
Nominal volume flow	2,260 m ³ /h	3,530 m ³ /h	5,090 m ³ /h
Negative pressure	2,700 Pa	2,700 Pa	2,700 Pa
Sound pressure level MAX	67 dB (A)	67 dB (A)	69 dB (A)
Fan motor	4.0 kW / 400 V / 7.5 A / 50 Hz	5.5 kW / 400 V / 10 A / 50 Hz	7.5 kW / 400 V / 15.2 A / 50 Hz
Operating mode	Continuous operation, discontinuous	Continuous operation, discontinuous	Continuous operation, discontinuous
Collecting volume	2 x 165 l	2 x 165 l	3 x 165 l
Length A	Ø 2,040 mm (2,420)	Ø 2,130 mm (2,540)	Ø 2,640 mm (3,080)
Width B	900 mm	900 mm	900 mm
Height C	1,962 mm	1,962 mm	1,964 mm
Weight	ca. 680 kg	ca. 705 kg	ca. 850 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: 07/2023

