

# 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



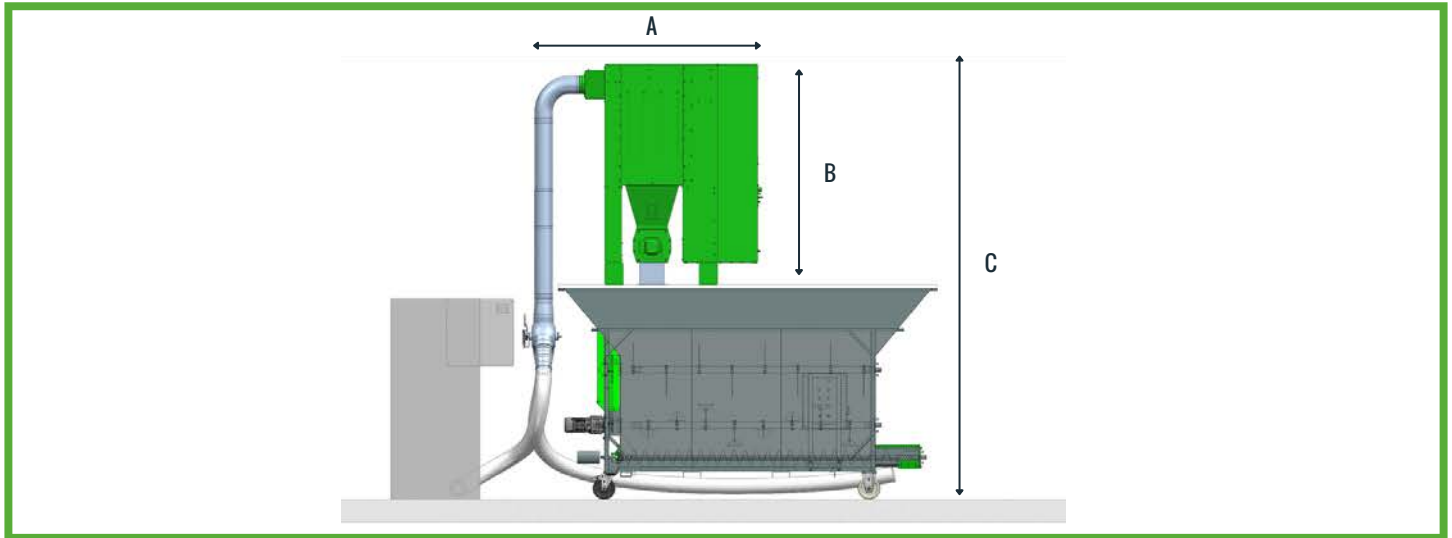
Mounted plant



Control



## SPECIFICATIONS



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

### Technical data rotary valve

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

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

