

CENTAB · SWEDISH QUALITY SINCE THE 1980S

Central dust and chip extraction for schools and workshops

Wood chips and fine dust are removed right at the source — quietly, automatically and without mobile extractors in the classroom.

**99.9 %**

air filtration (BIA class C)

12,000 Pa

maximum vacuum

~65 dB

operating noise

130+

installations in Estonia

Fine wood dust is a health hazard

Mobile chip extractors collect the coarse chips but blow the finest, most hazardous dust back into the classroom air. That is why the Nordic countries have restricted mobile extractors in school woodwork rooms for years.

2 mg/m³ — hardwood dust limit

Under EU Directive 2004/37/EC (as amended by Directive (EU) 2017/2398), the binding limit value for hardwood dust has been 2 mg/m³ since 2023. It applies to all workers — including woodwork and technology teachers. National rules implement the limit in every EU member state; in Estonia, Government Regulation No 52 (2025) requires local exhaust ventilation or a central dust extraction system in school workshops.

Sources: Directives 2004/37/EC and (EU) 2017/2398 · Estonian occupational exposure limits for chemical hazards · Government Regulation No 52 (2025)

How it works

1

Ducting

All machines and workbenches are connected to a central extractor through ducting mounted on the ceiling and walls.

2

Valve opens

Each connection point has its own valve — opened by hand or automatically.

3

Extractor starts

Opening a valve starts the extractor automatically (24 V control); closing it stops the system.

4

Air is cleaned

Chips are collected in a 240-litre paper bag and the air is cleaned to 99.9 %.

Benefits

Clean air to breathe

Protects the health of both students and teachers.

Up to 20 dB quieter

Operating noise of about 65 dB — quieter than a mobile extractor.

Fully automatic

The filter is shaken clean after every cycle; the system stops when the bag is full.

Cleans the floor too

High vacuum of 10,000–12,000 Pa lets you clean the room with a hose and floor valve.

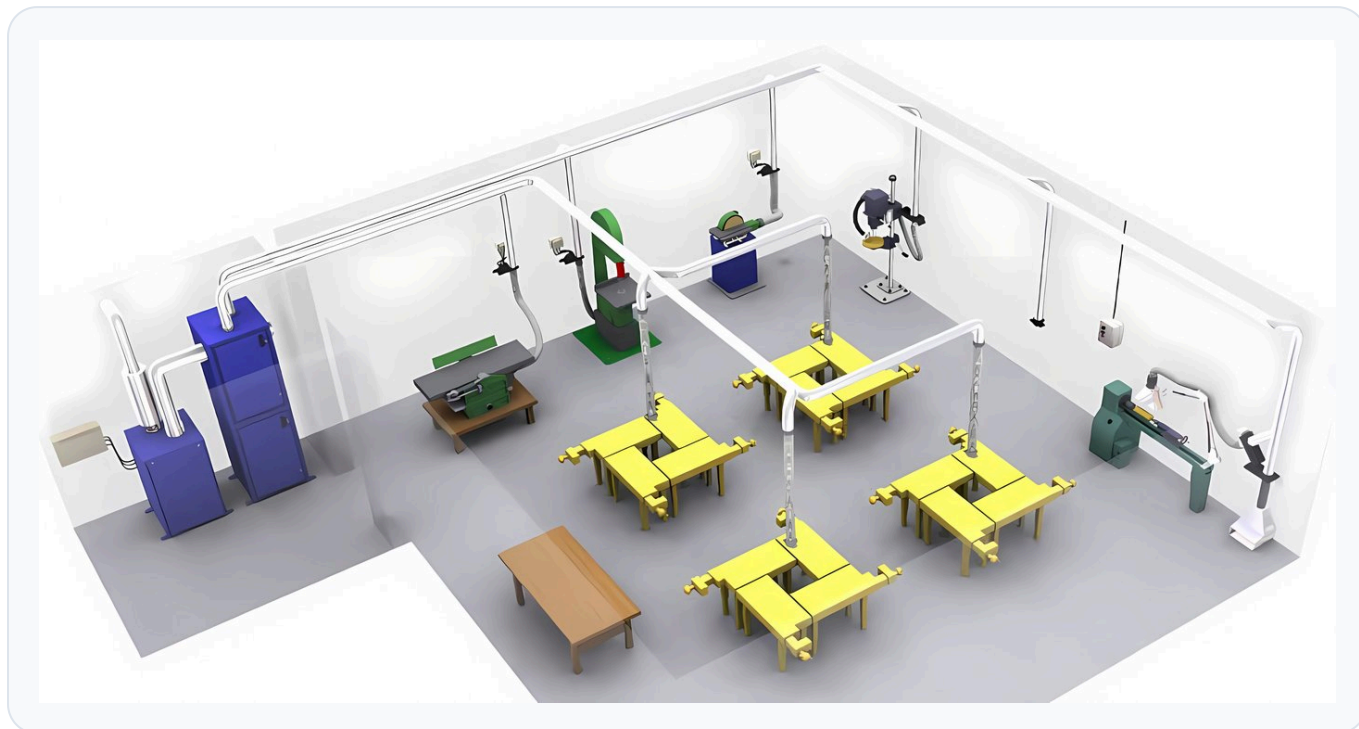
Easy maintenance

The chip bag sits on a trolley that simply rolls out of the unit.

Swedish quality

Designed specifically for schools and used in most schools across the Nordic countries.

A complete solution in one room



Example: the central extractor is connected to every machine and workbench through ceiling-mounted ducting.



Extraction unit

Frequency-controlled fan (SF/BF series) creates the vacuum and airflow. A silencer reduces noise.



Dust separator

Antistatic textile filter with automatic electric shaker. C-200/C-250: 240 l paper bag on a trolley; C-600/650: 600 l bin.



Ducting

Galvanised steel pipes, bends and branches Ø 50–150 mm, meeting dust explosion requirements (6.2 bar).



Manual valve

For drill presses, lathes and power hand tools. Opening the valve starts the system.



Automatic valve

For panel saws, thickness planers and belt sanders. The system starts together with the machine.



Floor valve

Connecting the hose starts the system — clean the room like with a vacuum cleaner.

Applications



Band saws



Lathes



Room cleaning



Drill presses



Milling machines



Belt sanders

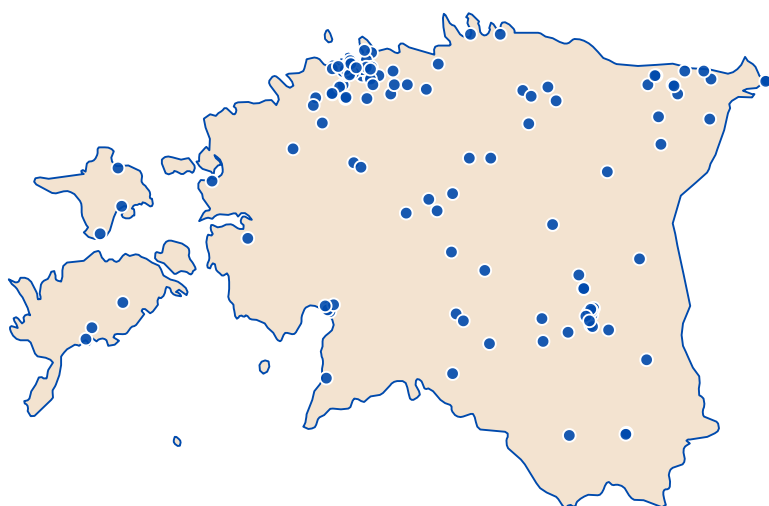
Four models — one for every room

Model	Power kW	Speed rpm	Current A	Fuse A	Max vacuum Pa	Airflow m³/h	Dimensions H × W × D mm
SF-17	4	2900	8.5	16	10,000	1,700	1100 × 700 × 720
SF-23	5.5	2900	11.5	20	10,000	2,300	1100 × 700 × 720
SF-28	7.5	2900	15.5	25	12,000	2,800	1100 × 700 × 720
SF-45	11	2900	21.2	35	12,000	4,500	800 × 1300 × 900

Filter C-200: filtration efficiency 99.9 % (BIA class C) · 240 l paper bag on a trolley · optical chip level sensor · electric shaker 24 V · dimensions 2070 × 700 × 700 mm

The right model depends on the room size and the number of connected machines — we will help you choose.

130+ installations across Estonia



Each dot is a CENTAB system in operation at a school or workshop (2009–2026).

Who it is for

- Woodwork and technology classrooms
- Vocational school workshops
- Joinery workshops and studios

Services

- ✓ Solution planning together with the teacher
- ✓ Installation and commissioning
- ✓ User training and operating instructions
- ✓ 24-month warranty
- ✓ Regular maintenance

≡CENTEST≡

Request an offer

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