NEDERMAN FILTERBENCH - FILTERED DOWNDRAFT TABLE

DO YOU WORK WITH COMPOSITES, PLASTIC, FIBERGLASS OR WOOD?

Lighter processes as grinding, de-burring, linishing, and fettling of such materials create fine dust that might be a potential health risk for operators.

This self contained re-circulating downdraught table is easy to move around your workshop and does not require ducting.

Also available with active carbon filter set (instead of HEPA filter) for processes that require reduction of odours, removal of solvent fume or VOC (Volatile Organic Compound), etc.

The Nederman FilterBench is available in four different sizes covering applications from 2300 to 6900 m³/h. The 23S model features kneespace for seated work.

The FilterBench fully complies with Health and Safety legislation HSG258 (controlling airborne contaminants at work).

TECHNICAL SPECIFICATION

	FilterBench 23	FilterBench 23S	FilterBench 46	FilterBench 69
Filtration efficiency	99.9%	99.9%	99.9%	99.9%
Motor rating	500 W	500 W	2 x 500 W	3 x 500 W
Max. airflow (free blowing)	2300 m³/h	2300 m³/h	4600 m³/h	6900 m³/h
Noise level based on EN ISO 11201	73.6 dB(A)	73.6 dB(A)	76.6 dB(A)	78.6 dB(A)
Power supply	230 V 50/60 Hz 1 ph.	230 V 50/60 Hz 1 ph.	230 V 50/60 Hz 1 ph.	230 V 50/60 Hz 1 ph.
Weight	230 kg	280 kg	340 kg	470 kg
Finish (colour)	5009	5009	5009	5009
Electrical plug	UK and EUR (CEE 7/7)	UK and EUR (CEE 7/7)	UK and EUR (CEE 7/7)	UK and EUR (CEE 7/7)
Part no. with HEPA filter	73003030	73003029	73003031	73003032
Part no. with carbon filter	73000119	73000538	73000120	
Max. load on table	40 kg	40 kg	80 kg	120 kg

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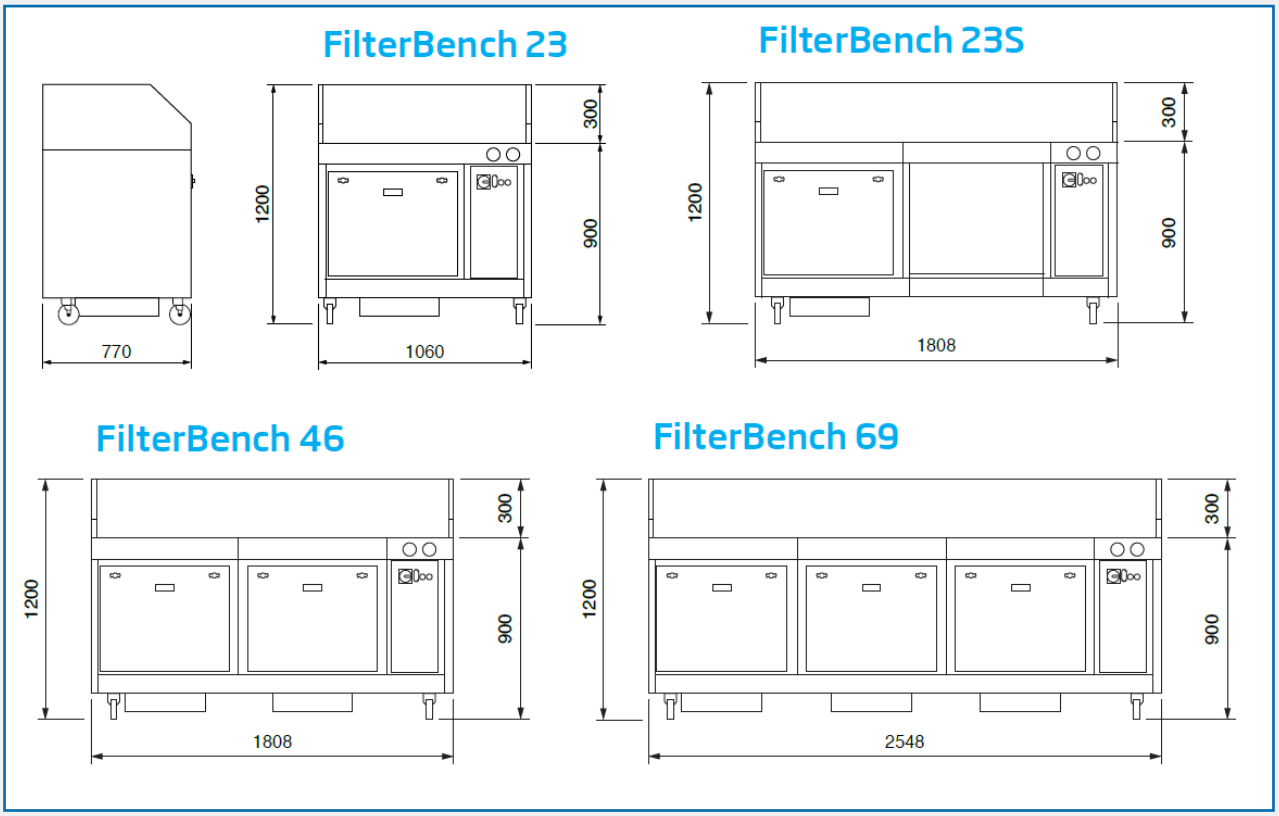
DIMENSIONS



FEATURES

- Pre-filter (G4) and HEPA-Filter (H13) included as standard, covering a wide range of applications.
- Optional: active carbon filter set (instead of HEPA filter) in processes that require reduction of odours, removal of solvent fume or VOC (Volatile Organic Compound), etc.
- Pressure gauges, complete with "filter full" indicators clearly indicating when it is time to replace filters.
- Simple on/off push button control making the product easy to understand and operate.
- Fan inverter included as standard making it impossible to optimise air flow and minimise energy consumption.
- Castors with swivel and brake included as standard making the product easy and safe to move and position.
- Extraction and filtering of composite, plastic, fiberglass or wood
- Suitable for lighter processes such as sanding, deburring, linishing, fettling, etc.
- Easy to use, move and maintain
- Extraction always at hand
- Available in four sizes

SHALL NOT BE USED

- In an environment with danger of explosion or for dust in explosive concentrations.
- For hot or spark generating processes, e.g. welding fumes, grinding of ferrous material.

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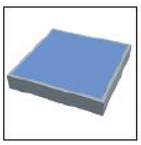

Pre-filter
G4 pleated filter for efficient pre/ primary filtration.

HEPA filter H13
To remove submicronic particulate with an efficiency of up to 99.9 %.

Carbon filters system (8 pcs.)
(instead of HEPA-filter) with Colourcell that changes colour with a change of carbon activity. Odour reduction, removal of solvent fume or VOCs, etc.

Fan
500 W high power backward curve centrifugal fan (230 V / 50/60 Hz / 1 ph).

Castors
Swivel and brake.

Filter Gauges
0–500 Pa gauge (pre-filter) and 0–1000 Pa (HEPA filter) complete with "filter full" indicators.

On/off push button
With "power on" light.

Warning light
Motor fault indicator.

Inverter
Variable frequency drive control to regulate the operating speed of the fan (located behind electrical panel).

Filter Clamp Mechanism
Spring loaded roller bearing filter clamp mechanism with tubular handles for securing filter(s).

HOW IT WORKS

1. The dust from the processing of items is extracted by the fan and passes through the ventilated worktop into the pre-filter for primary filtration.
2. Next the dust passes through the HEPA filter H13 so that submicronic particulated is effectively removed.
3. All dust is accumulated in the filters and can be disposed off.