

fume & dust control • self contained dust & fume extraction system • cleaner workplace • free standing • requires zero operator adjustment

Filterbench

Downdraught Technology



Extruded Aluminum Bench

Standard Filterbench constructed with robust anodized aluminum frame sections and plastic coated leathercloth grey steel outer panels with galvanized/plastic coated steel inners. The surface is purpose made 3mm thick perforated steel stove enameled after fabrication. Filters are screw down sealed against soft rubber seals and accessed for cleaning from above and removed via the front cover. A knee space is built in to provide seated working conditions.



Fabricated Steel Bench

Heavy duty Filterbench constructed from 2 mm welded, formed, steel panels, stove enameled blue after fabrication. The surface is purpose made 3 mm thick perforated steel stove enamelled after fabrication. Filters are top accessed by lifting off the surface. Sealing is by quarter turn purpose made stainless steel clamps against soft rubber seals. Designed for heavy products such as castings, stone masonry, steel profiles and fabrications, grinding, welding etc. with "stand up" working arrangement.



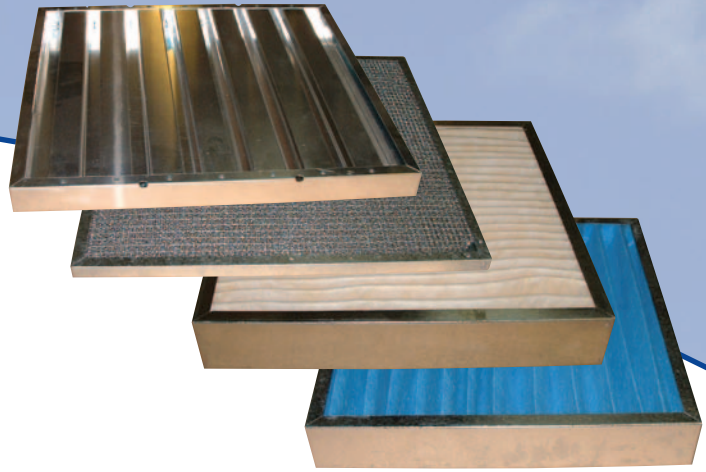
Welding Bench

Filter to left of working section. Units are delivered in two sections to bolt together with 4 bolts to captive nuts. Recessed knee space 300 mm deep to provide comfortable seated working options.



Gas Bench

All as per the Fabricated Steel Bench except designed for the removal of gas fumes. If it is fitted with a carbon modular filter system. Can be used as a seated or "stand up" working arrangement.



FILTERS

	Application Category	Filter
A	Dry dusts for filtration and recirculation. Talcum, plastics, atmospheric dusts, non ferrous sanding and grinding, plastics fettling and grinding, filling/dispensing, dedusting, trimming grp, dry stone cutting etc	EU4
B	Fine dusts for filtration and recirculation. Fingerprinting, rapid prototyping, model making, restoration	EU4 + High Efficiency pleat
C	Light spark generating dry dusts for filtration and recirculation. Ferrous grinding and fettling. Not for use with paper backed wheels.	EU4 / SO + Spark + Media
D	As C but with significant fume generation. Heavy Spark welding, brazing , hand plasma etc.	Labyrinth + Spark + High Efficiency pleat
F	As A above but for exhaust to atmosphere.	EU4
H	Very fine dusts single stage filter, carbon black	EU8
J	Organic and non organic fumes, for filtration and recirculation at non hazardous levels. Solvents, conformal coatings, adhesives, air brushing, cleaning fluids etc.	EU4 / MFS Carbon

ACCESSORIES

Available for most applications:

- Back and side enclosure
- Wheels
- Remote fans and ducting
- Electronic speed control
- Draught Skirt
- High efficiency filters
- Exhaust kits
- Discharge arrangements
- Filter loss gauge
- Hours run meter



DIMENSIONS

Model	Actual Dimension			Electrical (internal fansets only) 240/1/50
	Width	Depth	Height	
Extruded Aluminium	660	x 650	x 840	370W
Extruded Aluminium	1260	x 650	x 840	370W
Extruded Aluminium	1860	x 650	x 840	750W
Extruded Aluminium	1260	x 950	x 840	750W
Extruded Aluminium	1860	x 950	x 840	750W
Fabricated Steel	670	x 660	x 840	370W
Fabricated Steel	1270	x 660	x 840	370W
Fabricated Steel	1870	x 660	x 840	750W
Fabricated Steel	1270	x 960	x 840	750W
Fabricated Steel	1870	x 960	x 840	750W
Gas Steel	1270	x 660	x 840	550W
Welding Steel	1940	x 960	x 840	550W

HEALTH & SAFETY REGULATIONS

Health and safety regulations state employers must do all they can to protect employees from workplace hazards. Dust and fumes are hazardous to human health, the Nederman Airbench enables you to minimise the risks and protect employees.



SERVICE TEAM

Nederman offers a full range of service, repair and maintenance functions, including on site training for your operators. We have dedicated service engineers offering full national coverage, spares service, COSHH testing and service contracts.



DUST & FUME CONTROL

The Filterbench principle is that all dust & fumes are drawn down through the perforated work surface to the appropriate filter, the clean air is then returned to the workplace or exhausted to atmosphere.

Filterbench is extremely simple to use requiring zero operator adjustment. The result is zero production down-time.

FANS & ELECTRICAL SUPPLY

240v internal direct drive centrifugal fans are fitted as standard and can be speed controlled. Downward discharge is standard.

External centrifugal fan sets have motor out of air stream. 400v 3 phase is standard for these fans.

Motors are enclosed to IP55, internal fan motors are airflow cooled and external units are fan cooled.

Power consumption: See dimensions table

APPLICATIONS

- Composite Dust
- Welding
- Powder Mixing
- Wood Sanding
- Metal Grinding
- Metal Polishing
- Adhesive Fumes
- De-dusting
- Powder Weighing
- Liquid Dispensing
- Stone / Marble Cutting
- Conservation
- Preservation
- De-greasing
- Paint Mixing

WORKPLACE BENEFITS

- Improved working conditions
- Healthier employees
- Flexibility
- Cleaner workplace
- Safer working environment



Nederman is world leader in dust and fume extraction, exhaust extraction systems, hose reels and personal protection equipment. In addition we offer service, installation and maintenance including LEV testing.

Our products are manufactured to the highest standards with the overriding aim of improving the industrial / manufacturing workspace for the benefit of employers and their employees.

Health and safety is central to our ethos, we are happy to advise customers and work with them to develop solutions and products to improve their workspace and efficiency.

Trade Associations



Nederman
Improving your workspace

P.O. Box 503, Preston, PR5 8AF
Telephone: 01772 332142 Fax: 01772 315273
info@nederman.co.uk www.nederman.com



Right reserved for modification of design and measurements.

The majority of Nederman's productions are manufactured within SS-EN ISO 9001 and ISO 1400-1 certified Quality and Environmental system. For more detailed information please contact us.

NED CAT CODE PF / FBENCH 1