

If we could solve your dust and fume problem in minutes...

- ✓ **AirBench** takes dust and fumes away from your breathing zone
- ✓ **AirBench** draws them through the worksurface, capturing them inside the bench
- ✓ **AirBench** is available in a wide range of sizes and filter configurations to suit your application
- ✓ **AirBench** is plug and go - only needing unwrapping and plugging in to a 13 amp socket
- ✓ **You get extraction and work bench in one compact unit**



... would you be interested?

Doubt it can be that simple? Contact us for an on-site demonstration.



AirBenches, as standard, are recirculating units which discharge downwards. They can also be specified with discharge to the rear, right, or left sides allowing connection to ductwork for discharge to atmosphere

All AirBenches have a 3mm perforated steel worksurface, powder coated after fabrication, and are supplied with fan and filters correctly configured for your application.

EX

A standard duty AirBench, constructed with an extruded aluminium frame and grey plastisol panels. AirBench EX has a kneespace built in, and is designed for surface loads up to 50kg. Filters are accessed via the removable front panel and are spring clamped into position for rapid filter changes.

Sizes: 660x660, 1260x660, 1860x660, 1260x960, 1860x960



FN

A heavy duty AirBench, constructed from welded, powder coated 2mm steel panels for surface loads up to 150kg; filters are accessed via the hinged front panel and are spring clamped into position for rapid filter changes.

Sizes: 670x675, 1270x675, 1870x675, 1270x975, 1870x975



FP

A heavy duty AirBench, constructed from welded, powder coated 2mm steel panels for surface loads up to 150kg. Filters are accessed via the surface allowing attachment of tooling, vices, etc to the front of the unit.

Sizes: 670x660, 1270x660, 1870x660, 1270x960, 1870x960



FPK

A heavy duty construction, identical to FP but with a 300mm kneespace for full-time seated working. Filters are accessed via the surface allowing attachment of tooling, vices, etc to the front of the unit.

Sizes: 1270x960, 1870x960



FPW

Constructed to the same standards as FP, but designed specifically for welding or grinding duties. The main filter is mounted to the left in a separate bolt-on unit ensuring this filter is protected from sparks and debris; actual ventilated area is 1200 x 600.

Size: 1950x960



FPT

Similar to FPW but with 300mm kneespace built in, for comfortable full-time seated working.

Size: 1950x960



AirBench is also available with a full range of accessories including castors, enclosure, speed control, filter gauge, and hours run meter.

All AirBenches are supplied with filters selected from a wide range of standard, proven configurations for your specific application.
All filters are high quality and provide an average filter life of 6-12 months.

Non-sparking dusts

Including wood and MDF, talcum, plastics, atmospheric dusts, non ferrous sanding and grinding, plastics fettling, sanding and grinding, filling and dispensing, de-dusting, GRP trimming, dry stone cutting, etc

Construction: EX, FP or FPK

Filter configuration: A (EU4 deep vee panel)

Fine non-sparking dusts

Including carbon black, toner cartridge servicing, carbon composites, etc.

Construction: EX, FP or FPK

Filter configuration: H (EU8 deep vee panel)

Very fine non-sparking dusts

Including fingerprinting dusts, rapid prototyping, model making, conservation, etc.

Construction: EX, FP or FPK

Filter configuration: B (EU4 deep vee panel; F9 High efficiency pleat)

Very fine non-sparking dusts requiring HEPA filtration

Including some pharmaceutical, laboratory, and optical applications.

Construction: EX, FP or FPK

Filter configuration: L (EU4 deep vee panel; H12 HEPA)



Fume in low volumes

Organic and non-organic fumes, at non-hazardous levels. Solvents, conformal coatings, adhesives, air brushing, cleaning fluids, etc.

Construction: EX, FP or FPK

Filter configuration: E (EU4 deep vee panel; Carbon panel)

Fume in high volumes

Organic and non-organic fumes as above, but in higher volumes. Similar substances to above.

Construction: EX, FP or FPK

Filter configuration: J (EU4 deep vee panel; Carbon panel)



Light ferrous duties with some sparks

Dry dusts generating some sparks, including precision grinding and fettling of ferrous materials.

Construction: EX, FP or FPK

Filter configuration: C (Disposable media pad; Labyrinth; F5 Flame Retardant deep vee panel)

Fettling and Grinding - significant sparking

Production level fettling and grinding of ferrous materials.

Construction: FPW

Filter configuration: K (Disposable media pad; Labyrinth; F6 medium efficiency fettling filter)

Welding and similar - significant sparking

Welding of ferrous materials; plasma cutting; brazing.

Construction: FPW

Filter configuration: D (Disposable media pad; Labyrinth; F9 high efficiency welding filter)



AirBench is a self-contained downdraught extraction system, which takes dust and fumes away from your workspace and returns clean air to your working environment. Installation is as simple as plugging into a single phase 13 amp socket, and flicking the switch.

How does it work?

AirBench provides a uniform downward flow of air, drawing pollutants through the perforated surface and filtering them out using a filter (or filters) selected to suit your application. Most substances requiring control tend to move downwards. Only downdraught systems take advantage of this tendency - traditional extraction systems rely on either drawing the substance upwards, against their natural tendency and into an operators breathing zone, or capturing the substance with high velocity airflow.



Is it suitable for my application?

AirBench can be specified to suit any dust or fume application; for most common applications, we can provide a standard solution which can be delivered to you within 2-3 weeks.



What are the advantages?

AirBench has several key advantages over alternative systems:

- Put simply, it works. We can show you.
- Installation takes minutes - move the unit into position, and plug it in.
- It cannot be misused. If AirBench is switched on, it is working.
- Costs are low and predictable. We will help you estimate filter life and provide a cost for filter replacement.

What about traditional solutions?

Extraction arms require installation, and can be misused simply by the operator failing to move the arm. Overhead hoods draw dust and fumes past an operators breathing space; while your room may be clean, your operator may actually be exposed to more of the substance than without extraction. AirBench overcomes these problems.



What next?

Select a model and filter configuration from this brochure, then call us for a price. Or contact us for a recommendation and a no-obligation on-site demonstration of AirBench solving your dust or fume problem.

Further information is available on our website - including videos of AirBench in operation.

Tel: +44 (0) 1206 791 191
Fax: +44 (0) 1206 791 091
Email: sales@airbench.com
Web: www.airbench.com

14 Grange Farm Road, Colchester CO2 8JW

Company Number 284 9780 - Registered in England and Wales

Tel: +44 (0) 1206 791 191 Fax +44 (0) 1206 791 091 Email sales@airbench.com

14 Grange Farm Road, Colchester, Essex CO2 8JW

www.airbench.com