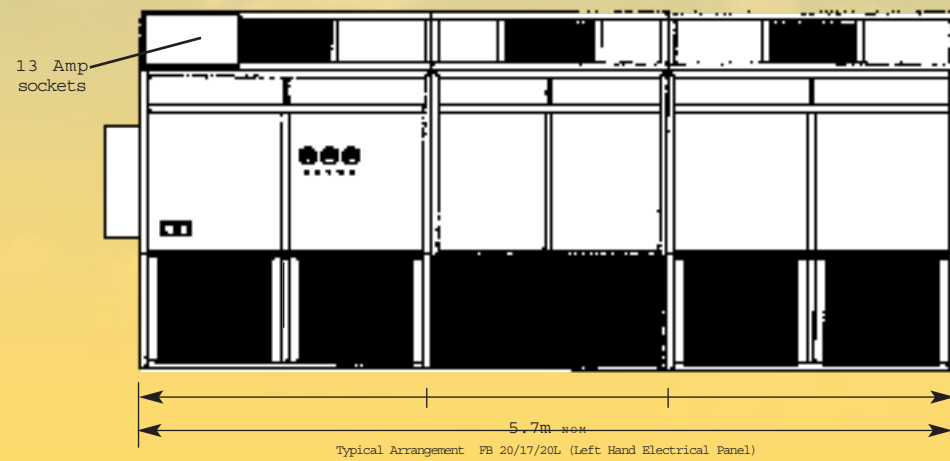
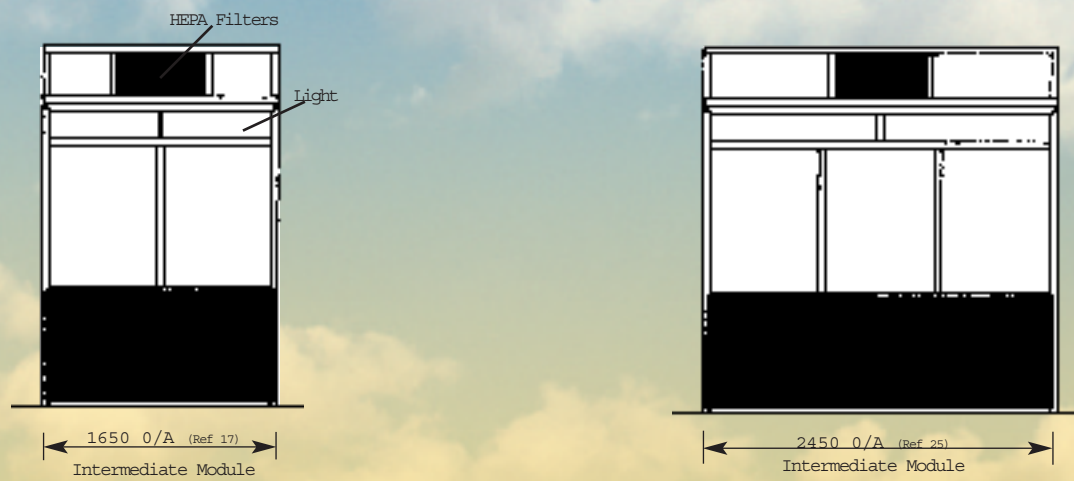
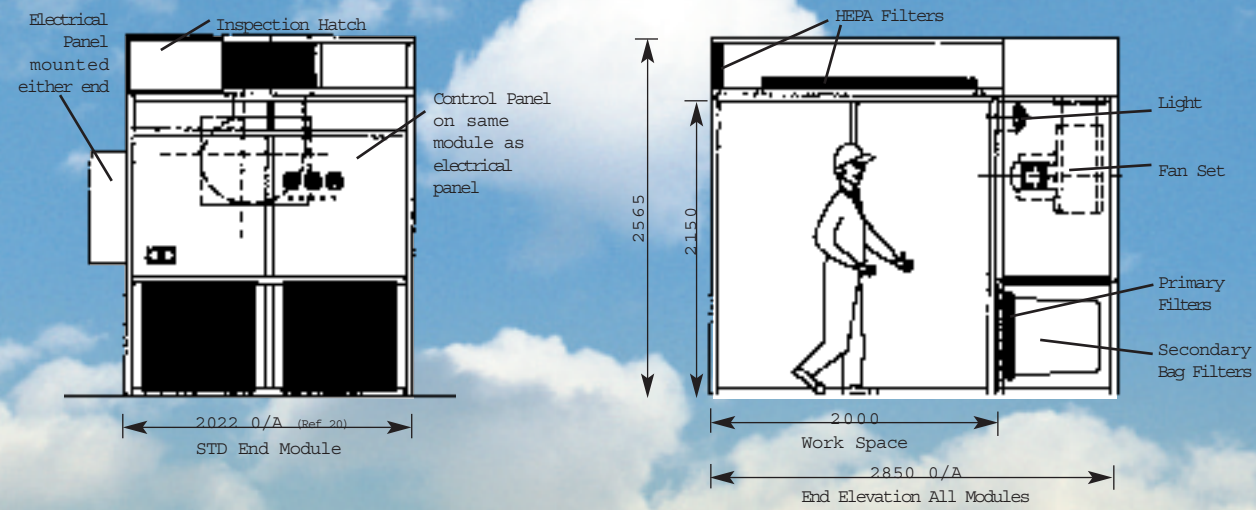


## SPECIFICATION



flextraction

FRESH AIR BY DESIGN



## CONSTRUCTION

Booths can be constructed from any combination of these modules from 1650, 2022, 2450.

flextraction

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DOWNFLOW BOOTHS

## COMPANY PROFILE

Flextraction Ltd is a UK independent firm specialising in the manufacture and supply of products for dust and fume extraction and containment.

The range of products encompasses extraction arms and associated items for the capture of dust and fume at the point of emission and now extends to the new range of Downflow Booths. These Booths offer containment during process operations such as weighing, sieving, filling etc.



## OTHER SERVICES

Flextraction also supply and install full turnkey projects, as well as offering COSHH testing of extraction systems providing a comprehensive report on the performance together with full plant evaluation, plus emission and noise testing. This range of services is offered throughout the UK via our team of sales personnel and project and design engineers. Call today for your free on site consultation.



## INDUSTRY SECTORS

Typical applications include:  
Bakeries & Food Plants, Dye/Paint Manufacturing, Pharmaceutical, Chemical etc.

## WHY CHOOSE A DOWNFLOW BOOTH

Downflow Booths have been designed to offer containment of dust over large areas of emission where conventional hoods, etc are not adequate or effective.

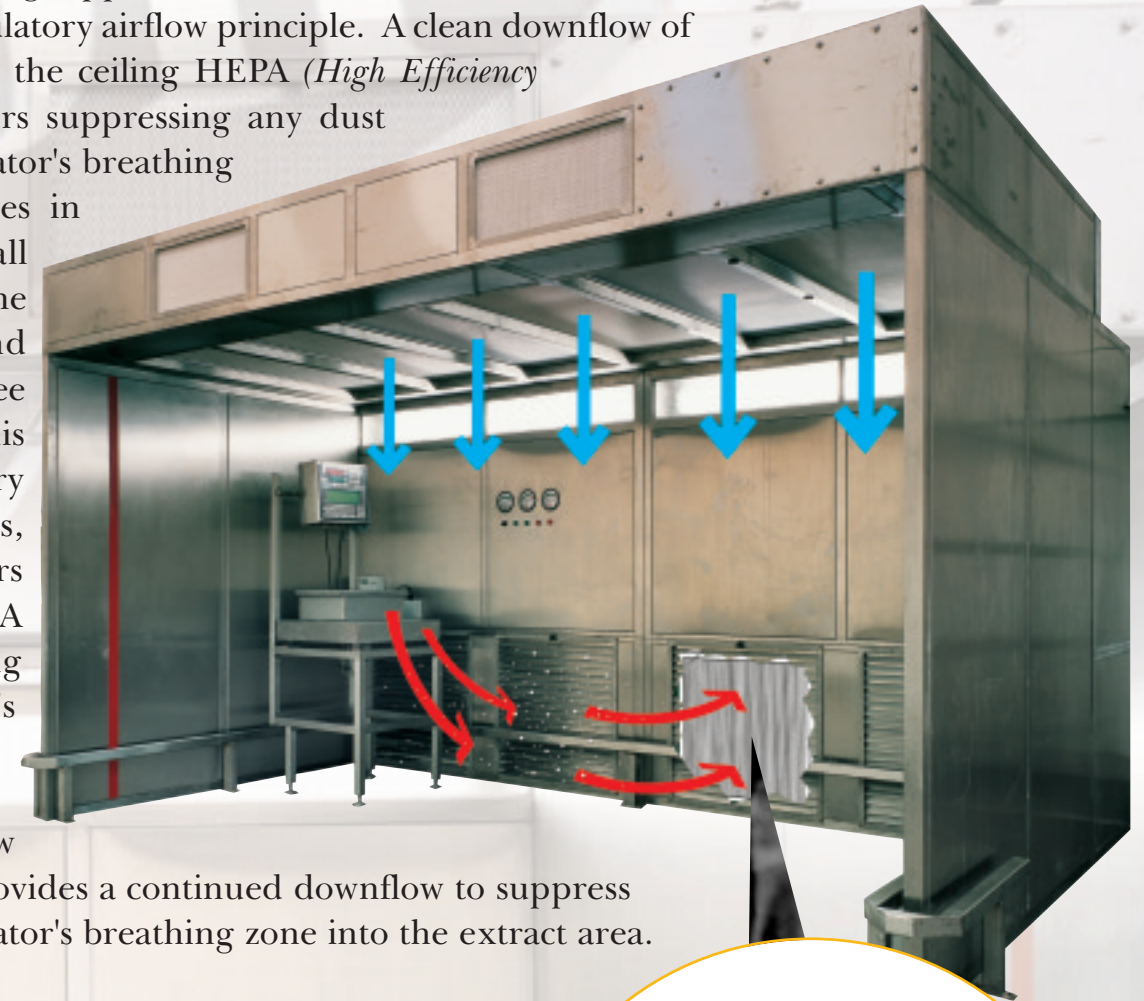
For example, during scooping from tubs or bags into a weigh point, the area of dust emission is very large. The Downflow Booth offers suppression and extraction of dust over the whole area, as shown in the following diagrams and descriptions.



## OPERATION

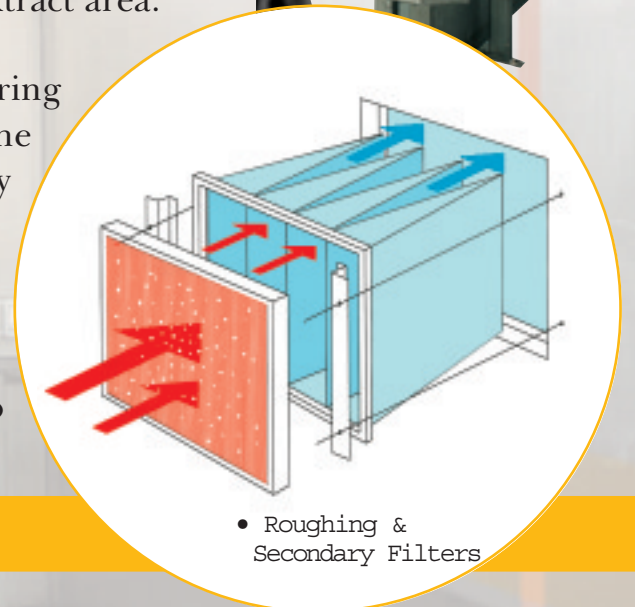
For powder handling applications, the Flextraction Downflow Booth operates on a recirculatory airflow principle. A clean downflow of air is supplied from the ceiling HEPA (*High Efficiency Particle Arrestor*) filters suppressing any dust away from the operator's breathing zone.

Louvred grilles in the lower rear wall capture the airborne contaminants and filter the air via three stage filtration. This comprises of primary roughing filters, secondary bag filters and finally HEPA filters discharging over the operator's head, providing a nominal evenly distributed downflow of 0.5m/sec. This provides a continued downflow to suppress dust below the operator's breathing zone into the extract area.



The Booth operates with inward airflow, ensuring airborne contamination cannot escape into the external environment and make-up air can only enter the Booth at low level.

We include pressure indicating devices to monitor the performance of the extraction together with automatic control of the variable speed fans to maintain optimum operating conditions.



• Roughing & Secondary Filters

## OPTIONAL EXTRAS

- Internal/External 415v/230v Power Supplies
- Audible Filter Alarm
- Bag Disposal & Compactor

## DOWNFLOW VELOCITY

Velocity across the safe working area is 0.35m/s - 0.7m/s

