

## DOWNFLOW CONTAINMENT BOOTHS

Downflow containment booths providing product and operator protection for work with fine powders and volatile liquids

### APPLICATIONS

Decanting, weighing and sampling of fine powders including speciality chemicals, pharmaceutical products, food additives and colour pigments

Handling and sampling of volatile liquids

Containment of:

- Pharmaceutical or any process machinery when clean air conditions are also required
- Industrial processes involving hazardous dust shedding;
- Any other activity where a combination of clean air and containment is required

### PRINCIPAL FEATURES

- GMP working area for product protection
- Contained airflow for operator and environmental protection
- Clearly indicated safe work and containment zones
- Filter changes and all maintenance normally from within the booth (no external access required).
- Easy to clean and robust panel construction

### OPTIONS

- Choice of materials: polyester coated mild steel or stainless steel
- Choice of mountings: free-standing, floor mounted, or ceiling mounted
- Choice of configurations
- Removable side-panels to enable unrestricted linking of adjacent units
- Slatted PVC drapes
- Choice of sizes
- Choice of exhaust systems including:
  - Recirculating
  - Ducted
  - Plant extract
- Stainless steel worktables, sink units and other purpose designed integral or free standing furnishings.
- Electrical sockets, computer sockets and all services
- Emergency stop buttons
- Cooling coils

## DCB RANGE



**ELECTRICAL**

- External isolator for 3Φ 415/380V supply
- Electronic fan speed controllers
- Fan switching
- Light switching
- Auxiliary switching
- Pressure sensors
- BMS outputs

**LIGHTING**

- Teardrop strip lighting providing 800 lux

**FILTERS**

- High capacity 'W' form primary filters installed at the rear of the unit with easy and safe replacement.
- Gel mounted downflow HEPAs

**PERFORMANCE**

- Unidirectional downflow velocity: 0.45m/s at the filter face
- Air change rate (indicative): 750 TAC/hr Recirculating
- Containment levels as low as 100 µg/m<sup>3</sup> can be achieved when correct procedures are observed for dispensing and sampling
- Steady-state temperature increase <5°C

