

# Clean Hood

Flexible booths, simply made to suit your process

## Modular system. Bench top or Workstation. ISO 5/ Class 100. Vertical or Horizontal Air Flow.

The Clean Hood laminar flow booth (sometimes called a laminar flow cabinet) provides a bench top, particle-free working environment for your process.



### Construction

The Moorfield fan filter unit is mounted on top of an anodised aluminium frame. The fans variable speed controller is mounted into a dado rail at eye level to keep your bench top clear. The frame is enclosed to three sides with clear acrylic panels, designed to allow as much ambient light into the work station as possible.

### Air system

The Moorfield fan filter units (FFU) all contain a HEPA ISO 5 compliant filter and pre-filter this simply runs on a 240v standard mains plug.

The FFU is controlled by a variable-speed rotary dial.

The fan can provide up to 1100 m<sup>3</sup>/hr through the filter at the industry standard 0.45 m/sec face velocity. The air system works on horizontal laminar flow principles, exhausting through user controlled zip vents in both the work cabin and gowning room.



The Clean Hood has a range of customisation options.

### Options

- Free-standing stainless steel workbench
- Electrical pack
- Front face door: Allows fan speed to be reduced whilst maintaining air quality (for use when leaving unattended).
- 900mm unit giving extra depth to the workspace
- External ducting
- Differential pressure gauge

### CH 1800V (Vertical down flow booth)

Footprint:  
1812(L) x 612(D) x 1163(H)

Workspace:  
1780(L) x 590(W) x 750(H)

### CH 1800H (Horizontal flow booth)

Footprint:  
1800(L) x 1013(D) x 750(H)

Workspace:  
1780 (L) x 590(W) x 744(H)

### CH 1200V (Vertical down flow booth)

Footprint:  
1212(L) x 612(D) x 1163(H)

Workspace:  
1180(L) x 590(W) x 750(H)

### CH 1200H (Horizontal flow booth)

Footprint:  
1200(L) x 1013(D) x 750(H)

Workspace:  
1180(L) x 590(W) x 744(H)



Electrical

**Fan** 280W, 230vac 50Hz standard.  
**Supply** 5A, 230vac 50Hz single phase 3 pin plug



Fan filter unit

**Lifespan** Full speed 20,000 hrs continuous



HEPA H14

**Vmax at face** 0.45 m/sec.  
**Lifespan** Approximately 5 years in lab conditions with continuous fan



Pre-filter

**G4 pleated pre filter** 475mm x 370mm  
**Lifespan** Approximately 3 months in lab conditions with continuous fan.