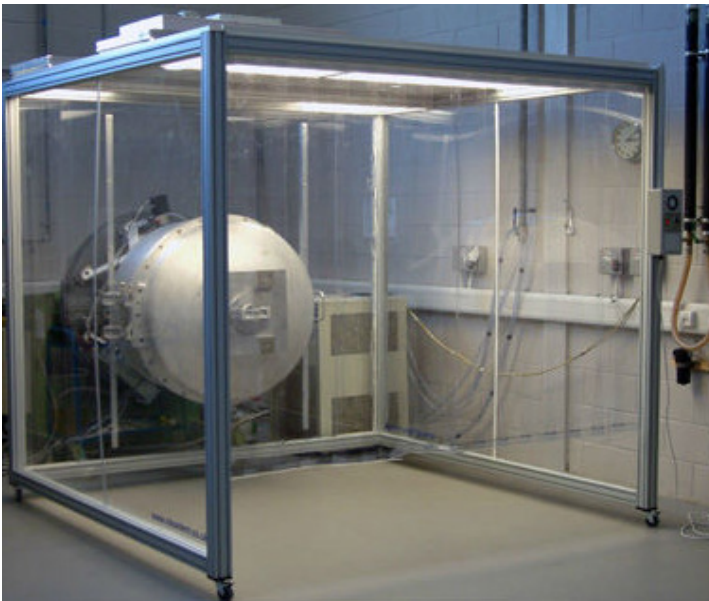


Clean Shower

A walk in, micro climate workstation

Modular construction. ISO 5/ Class 100. Vertical down flow.

The Clean Shower is a laminar down flow booth designed for use in cleanrooms to create a micro climate of approximately two levels better residual particulate quality with respect to ambient.



Clean Shower is a fully modular system
Units can be made to your specifications



Construction

The Moorfield fan filter unit is mounted within either a structural T-grid suspended ceiling, or a perspex ceiling to maximise the use of ambient light. The ceiling sits on top of an anodised aluminium frame, either static or on castors. The frame is then surrounded by clear soft wall strip curtains to allow maximum flexibility for services and as much ambient light into the work station as possible. A variable speed controller is mounted to one of the support legs.

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 m³/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.

Options

- Custom frame size
- Lighting
- Solid wall (perspex sides)
- Electrical pack
- Differential pressure gauge
- External ducting
- Castors to frame legs



Electrical

Fan 280W, 230vac 50Hz standard.
Electrical 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.