

Clean Tent

The portable clean room
by Clean Environments

Easy Installation. ISO 5/ Class 100. Gowning room. Low Capital Cost.

Clean Tent is an innovative design concept in cleanroom technology. Intended for users that require temporary cleanroom facilities, a disaster recovery plan, clean storage, training facilities or portability.



Construction

A ground sheet made from anti-static reinforced Tryoll to create a tough durable base unit. The one-piece top tent comprises two compartments; an entry airlock/ gowning room and the main work cabin which is contained within a high quality PVC envelope, making good use of ambient lighting. Positive pressure is provided by fan/filter units mounted at work station level on the work cabin gable wall.

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.

CT675

Footprint:
3650(L) x 2500(W) x 2150(H)

Gowning room:
600(L) x 2500(W) x 2150(H)

Work cabin:
3050(L) x 2500(W) x 2150(H)

CT1700

Footprint:
6100(L) x 3650(W) x 2150(H)

Gowning room:
1200(L) x 3650(W) x 2150(H)

Work cabin:
4900(L) x 3650(W) x 2150(H)

CT750

Footprint:
4250(L) x 2500(W) x 2150(H)

Gowning room:
600(L) x 2500(W) x 2150(H)

Work cabin:
3650(L) x 2500(W) x 2150(H)

Options

- Pass through facility
- Hard flooring
- Emergency UPS or pole structure
- Step over bench
- Cleanroom work station benches
- Flight case
- Installation and accreditation



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.