



CLEAN TENT



Integrity Cleanroom Tent

Clean Tent is an innovative design concept in cleanroom technology. Intended for users that require temporary cleanroom facilities, clean storage facilities or portability for on-site work, the Clean Tent covers most user requirements at a low capital cost.

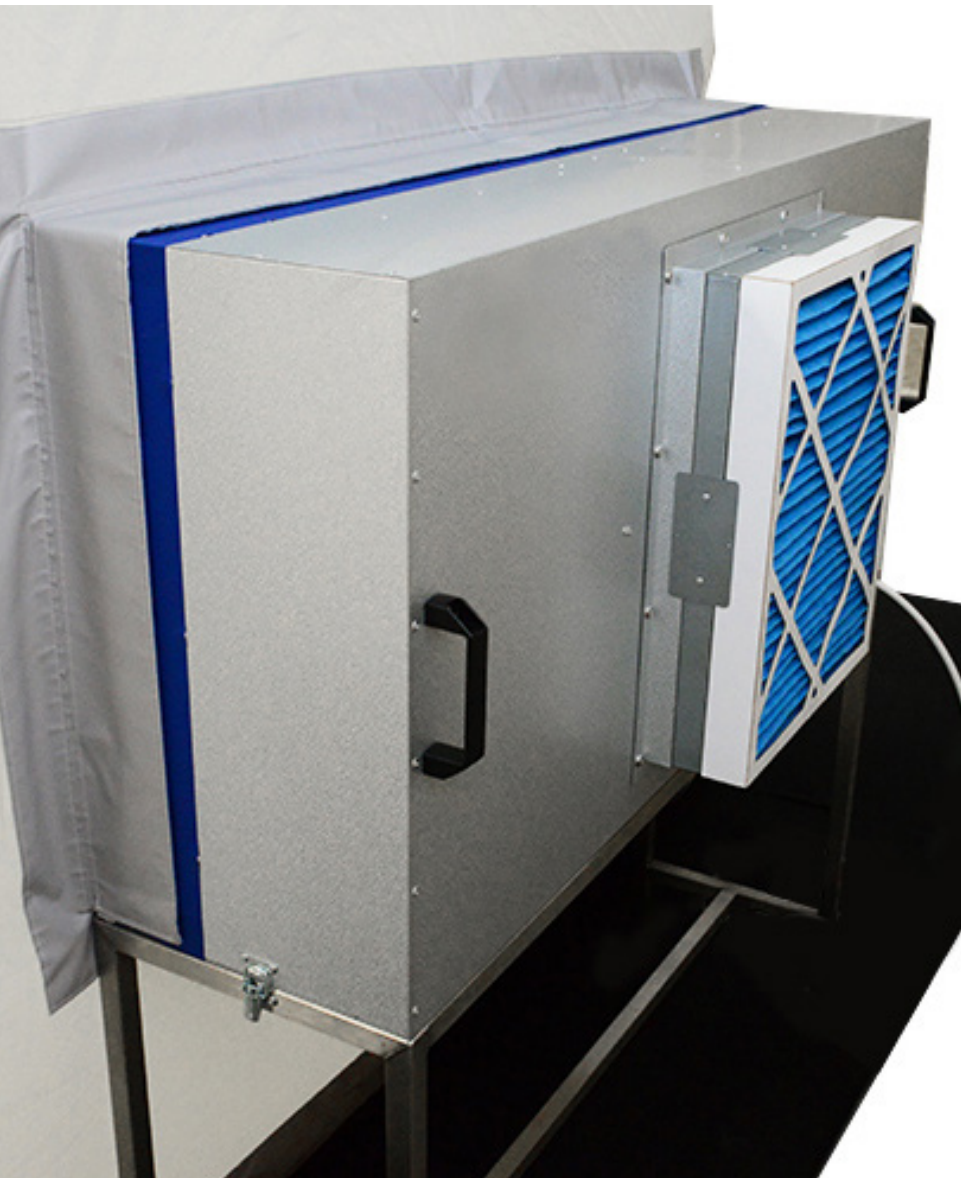
Construction

A ground sheet made from antistatic reinforced Tryoll with a 150mm skirt 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 fan filter units (FFU) all contain a HEPA Class100/ ISO 5 filter and pre filter. Dependent upon the application this can simply run through a 240v standard mains plug or we offer a field air system in the form of a 12vDC inverter to run from a battery.

The FFU is controlled by a variable speed rotary dial and on/off switch free mounted on 3 meters of flex cord. The fan can provide up to 1100 m³ /hr through the filter at the industry standard 0.45 m/sec face velocity. This ensures that the air change rate at the work station is high for the specified Class specification.

The air system works on horizontal laminar flow principles, exhausting through user controlled zip vents in both the work cabin and gowning room.

The FFU is mounted on top of a 25mm box sectional frame and fixed to the tent via a specially designed skirt.



Assembly

The ground sheet is rolled out and placed in the desired location. Any large equipment is placed onto the ground sheet.

The top tent is then unfolded and zipped onto the ground sheet. The FFU's are placed on their stands and attached to the skirt. Inflate!



Technical Specification

Overall dimensions (mm):

615-1003 – 6 person work cabin.

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)

HEPA Filter size – 1180 x 570 x 85 x Qty 2

615-1004 – 2-4 person work cabin.

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)

HEPA Filter size – 1180 x 570 x 85 x Qty 1

615-1005 – 2 person work cabin.

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)

HEPA Filter size – 1180 x 570 x 85 x Qty 1

Electrical: fan 280W, 230vac 50Hz standard. Supply 5A, 230vac 50Hz single phase 3 pin plug.

HEPA: H14. Vmax at face = 0.45 m/sec Life approximately 5 years in lab conditions with continuous fan

Pre-filter: EU8 polyester pre filter. 400mm x 400mm. Life approximately 4 weeks in lab conditions with continuous fan.

Fan: M.T.B.F. full speed 20,000 hrs continuous

Options include: Pass through facility, hard flooring, emergency UPS or pole structure, step over bench, cleanroom work station benches, flight case, installation and accreditation.



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