

## Clean-Tent™ Portable / temporary clean room

**Easy installation**  
**Class 100 air**  
**Gowning room**  
**Inexpensive**



### Simple design

Clean-Tent is a simple but very effective clean room design. A ground sheet is zipped to a two compartment upper tent which is connected to an externally sited HEPA. The HEPA airflow positively pressurises the tent before returning to ambient via exhaust vents. The positive pressure also supports the tent. The tent has two segregated compartments the gowning room and the work cabin. The work cabin is at the relevant ISO standard and the clear wall construction is designed to allow as much ambient light into the work area as possible.

The Fan filter unit consists of an epoxy coated steel air box housing a centrifugal fan and air dampers /baffles. On the top of the box is a 400mm square spigot containing pre filter and ( if required) flange connection for a supply air duct. On the underside of the unit is attached the final filter. This determines the quality of the air supplied. The filter is attached to the frame via a neoprene seal and siliconed into place. H14 Class 100 HEPA's are fitted as standard but other options are available upon request.

The fan is controlled by a variable speed rotary dial and on/off switch free mounted on 3 mtrs of flex cord. 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. This ensures that the air change rate at the work station is very high for the specified Class specification.

The fan filter unit is mounted on top of a 25mm box section stainless steel frame and fixed to the tent via a specially designed skirt.

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

Image of Clean-Tent series CT675 model

### Technical Specification:

#### Overall dimensions (mm):

**CT1700** – 6100(L) x 3650(W) x 2350(H)

Filter size – 1180 x 570 x 85 x Qty 2

Filter type – H14 Class 100

Work cabin – 4900(L)x3650(W)x2350 (H)

**CT750** – 4250(L) x 2500(W) x 2150(H)

Filter size – 1180 x 570 x 85 x Qty 1

Filter type – H14 Class 100

Work cabin – 3600(L)x3650(W)x2150 (H)

**CT675** – 3650(L) x 2500(W) x 2150(H)

Filter size – 1180 x 570 x 85 x Qty 1

Filter type – H14 Class 100

Work cabin – 3050(L)x3650(W)x2150 (H)

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

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

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

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