Soft Capsule

Soft Wall Cleanroom

Esco Experience

As a pioneer in cleanroom technology, since 1978, Esco has been creating controlled environments for the electronics, semiconductors, pharmaceutical, food, biotechnology, nanotechnology and other high technology industries. Today, increasing quality and process demands in these and other industries require the control of particulate contamination to stringent standards.

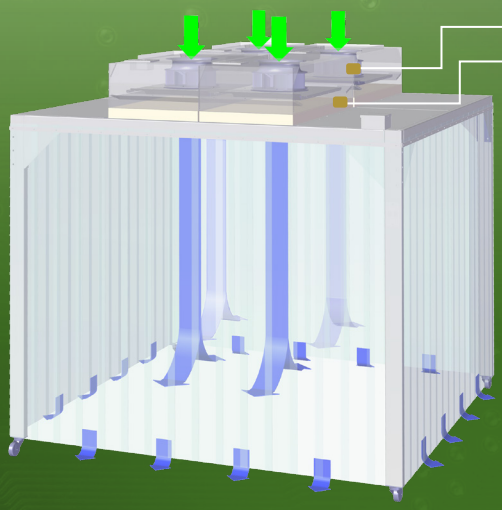
Esco Soft Capsule Soft Wall Cleanrooms are the ideal solution when clean air areas need to be created on a small to mid scale. Flexible and economical, they may be easily relocated when application requirements change. Esco offers a complete range of soft wall cleanrooms to meet various construction, dimensional and cleanliness class requirements.

Applications

Uses include applications where clean air is required for process and product protection.

- Pharmaceuticals, Grade A filling suites
- Medical devices, plastic injection moulding
- Electronics assembly
- Contact lens packaging
- Hospital pharmacy (USP 797)
- Biotechnology
- Nanotechnology
- Life sciences
- Aerospace
- Quality control
- Food industries

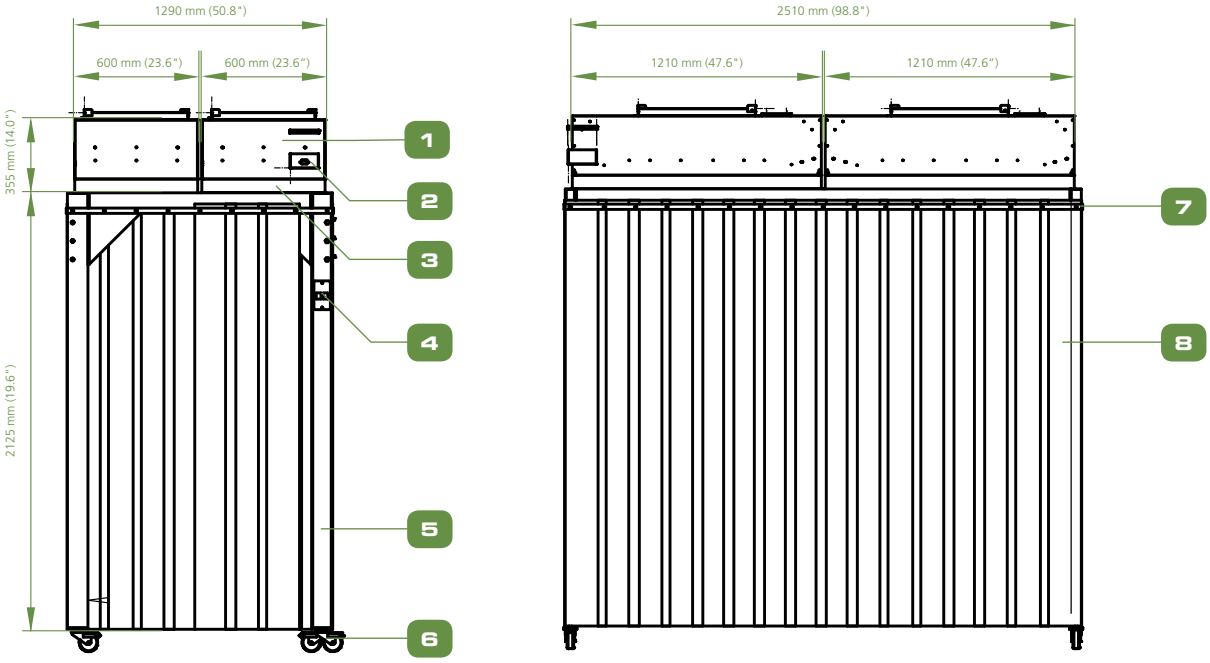
Soft Wall Cleanroom Filtration System

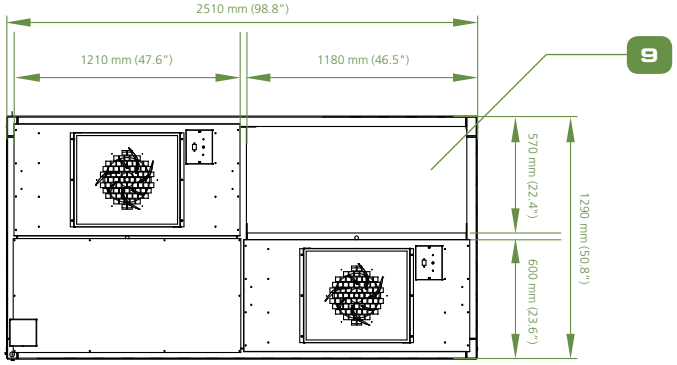


- HEPA-filtered air
- Room air / Inflow air

- *Room air is taken in from the top of the cleanroom through a disposable prefilter with 85% arrestance; this serves to trap larger particles and increase the life of the main filter.*
- *Air is forced evenly across the HEPA filter(s); the result is a stream of clean laminar air within the work zone; this dilutes and flushes all airborne contaminants from the interior.*
- *A nominal filter face velocity of 0.45 m/s or 90 fpm ensures that there is a sufficient number of air changes within the cleanroom in order to maintain cleanliness.*
- *The purified air travels downward within the interior in a vertical, unidirectional stream, and leaves the cleanroom close to floor level at the perimeter.*
- *The cleanroom is positively pressurized to prevent ingress of airborne contaminants from the external environment.*

ENGINEERING DRAWING (MODEL: STL-SC-_)





1. *Fan Filter Unit*
2. *Control Box*
3. *HEPA Filter*
4. *Operation Switch*
5. *Vertical Bar*
6. *Caster Wheel*
7. *Curtain Holder*
8. *Curtain Strips*
9. *Ceiling Cover*