Clean Bench

Applications

- **Biotechnology:** Sterile Media Preparation, Non-biohazardous Culture Maintenance, Non-biohazardous Tissue Culture Maintenance, Plant Tissue Culture Maintenance
- **Microbiology:** Sterile Media Preparation, Non-biohazardous Tissue Maintenance, Non-biohazardous Tissue Culture Maintenance
- **Pharmacy:** Non-toxic IV Solution Preparation
- **General:** Electronic Inspection/ Repair

Filtration features

Particle-free ISO 14644-1 Class 4 air

- Particle count in the work area conform to ISO 14644-1 Class 4 conditions (formerly Class 10 per Federal Standard 209E). This ensures fewer than 0.3㎛ or larger per cubicmeter or air
- Polyester fiber pre-filter that has a small pressure loss and 85% efficiency on the A.F.L test which serves to trap larger particles and increase the life of the main filter
- HEPA filter ensures airtight to the body unit by connecting with neoprene gask

※ The HEPA filter life span is usually 3 years, but it depends on test room conditions

Constructional features

Ergonomic design

- Angled front profile is free of protrusions that could interfere with visibility or obstruct taller users
- Grade 304 stainless steel work surface - Highly durable and rust prevented work zone for easy cleaning
- Use of tempered glass door to be strong of damage and resist the UV rays for user safety
- The door smoothly slides up and down for maintaining cleanness and stops at any height you want
- Right and left both sides also have wide glasses for a clear view
- Adjustable the speed of blower by front located blower controller

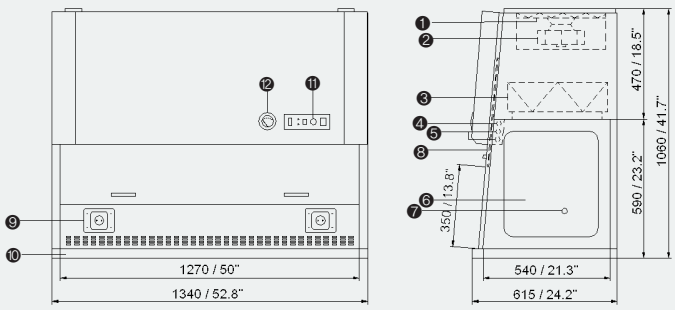
Lighting

- Electronically ballasted F.L lamp is installed on the top front that minimizes disturbance of airflow and shadows on the work zone, and to relieve of user's eyes strain
- U.V lamp switch is safety interlocked with F.L lamp and blower switches to help prevent inadvertent UV exposure while the bench is in operation. Also those two lamp switches do not turn on at the same time for users safety

Airflow Profile

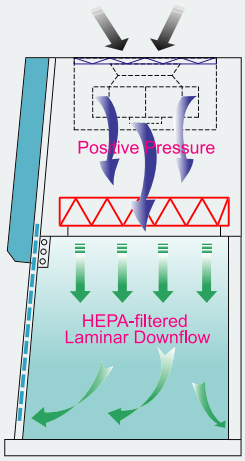
- Room air is taken in from the top blower of the bench through a disposable pre-filter
- The firstly filtered air is purified by the secondary HEPA filter to confirm the Class
- The laminar down-flowed air supplies from the dual filtering system into the working zone
- The working zone can maintain on a high cleanness condition because it keeps up on positive pressure to prevent from outside pollution
- The purified air travels across the working zone of the cabinet in a vertical, unidirectional stream and leaves the main work chamber across the entire open front of the cabinet and through slots

Dimensions (Model: BC-11E)



1. Pre-Filer 2. Blower 3. HEPA Filter 4. UV Lamp 5. Fluorescent Lamps
6. Tempered Glass Side Panel 7. Service Fixture 8. Sliding Front Sash Window
9. Electrical Outlet socket 10. Stainless Steel Grade 304 Work Surface
11. Blower Speed Controller 12. Differential pressure gauge

Airflow



※ Continuing research and improvement may result in specification and design change for all products at any time.