

**Specification BSL2 Laminar Air Flow (Bio-safety Cabinet, Class II Type-B2)**

- 1- Microprocessor controlled Biological Safety Cabinet with single piece Stainless Steel 304 work surface and dimension of 4’x 2’x 2’.
- 2- Side & back wall should be made up of single piece stainless steel 304 with rounded corner for easy cleaning & disinfections procedure.
- 3- Bio-safety Cabinet Class II type B2 Type i.e 100% exhaust.
- 4- Front 10° slanted to offer operator comfort while working for long time.
- 5- Frequency controlled drive based dual fan motor system for each separately for laminar flow and exhaust.
- 6- The motor must automatically adjust the airflow speed without the use of damper to ensure continuous safe working conditions.
- 7- At least 6mm anti UV toughened front glass window with adjustable balancer suspension.
- 8- Equipped with anti-explosion, anti-splash power socket, water/media and Gas inlet.
- 9- ULPA -14 filter with efficiency more than 99.9995% @ 0.12 µm.
- 10-HEPA-14 filter with efficiency more than 99.995% @ 0.3 µm.
- 11-Filter lifespan display function with filter real-time alarm function.
- 12- Illumination at work surface ≥ 1100 Lux & UV light should be ≥ 30W.
- 13- Alarm for low exhaust, low laminar flow, fault of exhaust fan, fault of laminar flow fan, closing condition of visible window.
- 14- UV interlocking with front window i.e UV light should be closed automatically when front window is open.
- 15- EN 12469 Certified for Microbiological safety or equivalent.
- 16-The manufacturer should be an ISO 9001 –2000 certified.
- 17- Power supply 220V, 50/60Hz.
- 18- Warranty Five years

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