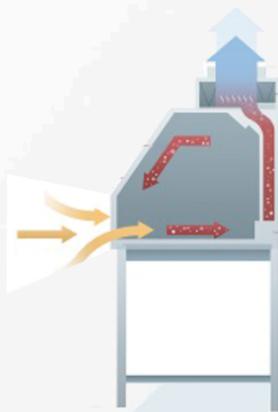


BIO SAFETY CABINET CLASS II TYPE B2



Krew Instruments offers the Bio Safety Cabinet Class II type B2, an advanced solution for working with hazardous materials in the laboratory. Our cabinet features a total exhaust system and HEPA / ULPA filtration to maintain a sterile environment, while the ergonomic design ensures user comfort and convenience. With advanced airflow control and electronic sensors, our Bio Safety Cabinet provides exceptional protection for both users and samples. Trust Krew Instruments for reliable, high-quality laboratory equipment that ensures your safety when working with hazardous materials.

BIO-SAFETY CABINET: CLASS II TYPE B2 FLOW DIAGRAM



- Air is drawn in through the front grille to keep the work surface and product clean, without mixing with the air in the cabinet work zone.
- Ambient air is filtered through a pre-filter, then a downflow HEPA/ULPA filter, providing a uniform, non-turbulent air stream that protects against cross-contamination.
- Downflow air splits, with some moving toward the front air grille and some to the rear grille. A small portion enters the intake perforations at the side capture zones at a higher velocity.
- The inflow and downflow air streams combine to form an air barrier that prevents contaminated room air from entering and work surface emissions from escaping the work zone, and enters the common air plenum.
- All air in the common plenum is HEPA-filtered and exhausted through dedicated

ducting to the external environment.

Room Air

Contaminated Air

HEPA / ULPA filtered Air

DESCRIPTION

- Main Body : Constructed G.I/MS Powdered Coated/Complete Stainless Steel 304
- Internal Work Area : 1mm (0.06") Stainless Steel 304
- Filter Type : HEPA filter/ULPA filter with typical efficiency 99.99%/99.999% at 0.3/0.2 micron
- Airflow Working : 100% Exhaust
- Working Aperture : 200mm
- Maximum Front Aperture : 400mm
- Ultra violet tube light : Germicidal
- UV Light Programming : Available
- Sash door : Motorized

- Fluorescent Light & UV light working : On & OFF switch
- Ergonomic Design : 10 slope/Tilt
- Working area cleanliness standard : Class 100 Environment
- Blower-motor assembly : Dynamically balanced
- Noise and Vibration : Low 65db
- Static pressure measurement : Pressure sensor
- Air Velocity : 100 ft/min
- Illumination of work surface : Fluorescent tube light 1200 lux
- Average in Flow : 0.53 m/s (105fpm)
- Average Downflow : 0.35m/s (70fpm)
- Control System : Micro Processor Controlled real Time Functions. LCD Display Screen Down flow Velocity Continuous Monitoring of HEPA/ULPA filter Media Left Over Life of Filter Media Static/Negative Pressure Timer For UV Lamp
- Alarm : Incorrect position of front sash-window Only with PLC/HMI
- Electrical Outlet : Two 5/15 amp electrical duplex receptacles
- Service valves : Gas, Water and Vacuum mounted on side wall
- Wheels and Leveling Lungs (Optional) : PU solid wheel with plated brackets and metallic powder coated leveling lugs and for GI model PU solid wheels with SS304 brackets and solid SS304 Leveling lugs for SS models.

CLASS II B2 (FOR GMP MODEL OUTER MOC WOULD BE SS304)

Model No	Working Size	Size of HEPAfilter	No. of HEPA	No. of Blower	UV light in ft	Pre-filter	No of Pre-filter
KBC-2B2	2 x 2 x 2	15" x 2' x 3" 6" x 2" x 3"	2	2	1	14" x 18" x 2"	1
KBC-3B2	3 x 2 x 2	12" x 3' x 3" 17" x 3' x 3"	2	2	2	8" x 20" x 2"	1
KBC-4B2	4 x 2 x 2	15" x 4' x 3" 6" x 4' x 3"	2	3	3	14" x 20" x 2"	1
KBC-6B2	6 x 2 x 2	18" x 6' x 3" 6" x 6' x 3"	2	4	4	16" x 20" x 2"	1



Krew Instruments Pvt Ltd.

Registered Address: No. 4/1101, Niraj Park,Wayle Nagar, Gandhare Road, Kalyan(w) Mumbai - 421301, Maharashtra, India

Manufacturing Unit : Gala No. 004, B-Wing, Ground Floor Shree Ganesh Compound, Pawar Section Chikhloli MIDC Ambernath (E) - 421506, Maharashtra, India

+91 9224433419 / +91 8591239083 | krewinstruments@gmail.com

