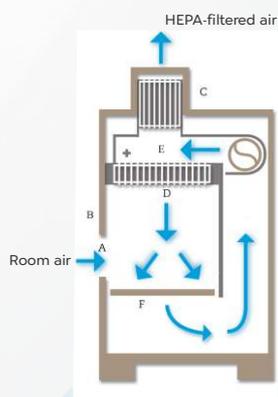


BIO SAFETY CABINET CLASS II TYPE A2



Krew Instruments is committed to providing safe and reliable laboratory equipment, and our **Bio Safety Cabinet Class II type A2** is no exception. This advanced cabinet features HEPA / ULPA filtration, electronic sensors, and advanced airflow control to ensure a sterile environment and prevent contamination. With an ergonomic design for user comfort, our Bio Safety Cabinet is perfect for extended use in the laboratory. Our commitment to quality ensures that our equipment meets or exceeds industry standards. Trust Krew Instruments for reliable and effective laboratory solutions that provide the protection you need.

BIO-SAFETY CABINET: CLASS II TYPE A2 FLOW DIAGRAM



- Ambient air is pulled through front grille to create inflow, without going into the work surface. Inflow is joined by half of the downflow, to create front air curtain that is fine-tuned to create a large performance envelope. The combined air stream travels through the back air column towards the blower.
- Near the work surface, the downflow splits. About half goes to the front grille, and half goes to the rear grille. A small portion enters the side capture zones to prevent dead air corners (small blue arrows).
- The design was optimized to give large performance envelope, that provides) operator and product protection at wide Inflow and Downflow variation from the Nominal point.

Schematic diagram of a Class II type A2 biological safety cabinet.

A : Front opening; B : Sash; C : Exhaust HEPA / ULPA filter; D : Supply HEPA / ULPA filter; E : Positive-pressure plenum; F : Negative-pressure plenum.

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 : 70% Re-circulated and 30% Exhaust
- Working Aperture : 200mm
- Maximum Front Aperture : 400mm
- Ultra violet tube light : Germicidal
- UV Light Programming : Available
- Sash door : Motorized

DESCRIPTION (Conti..)

- Fluorescent Light & UV light working : On & OFF switch
- Ergonomic Design : 10 slope/Tilt
- Working area cleanliness standard : Class100 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 Lugs (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 A2 (FOR GMP MODEL OUTER MOC WOULD BE SS304)

Model No	Working Size	Size of HEPA filter	No. of HEPA	No. of Blower	UV Light in ft	Pre-filter	No of Pre-filter
KBC-2A2	2 x 2 x 2	2' x 2' x 3" 12" x 14" x 3"	2	2	1	0	0
KBC-3A2	3 x 2 x 2	3' x 2' x 3" 12" x 18" x 3"	2	2	2	0	0
KBC-4A2	4 x 2 x 2	4' x 2' x 3" 24" x 14" x 3"	2	3	3	0	0
KBC-6A2	6 x 2 x 2	6' x 2' x 3" 12" x 14" x 3"	2	4	4	0	0



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 Chikhholi MIDC Ambernath (E) - 421506, Maharashtra, India

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

