



Advance Biotech Solutions India Pvt. Ltd.

(Advance Technologies, Effective Solutions)



(An ISO 9001:2015 Certified Company)



STERISAFE ADVANCE

BIOLOGICAL SAFETY CABINET



- American AAF filter, ensure the safety of the operator, swatch and environment.
- High efficiency fan, ensure the excellent performance of the cabinet.



- Anti-burst, anti-splash receptacle.

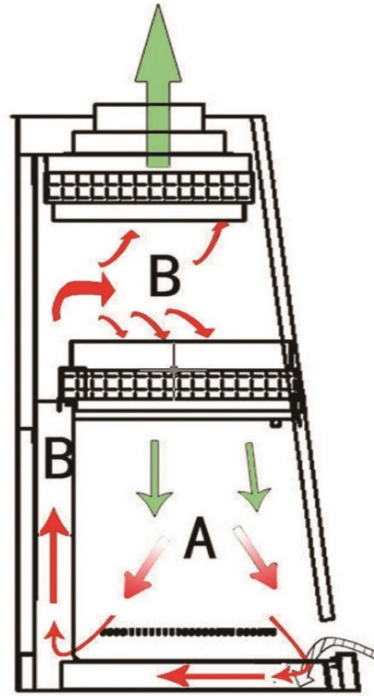
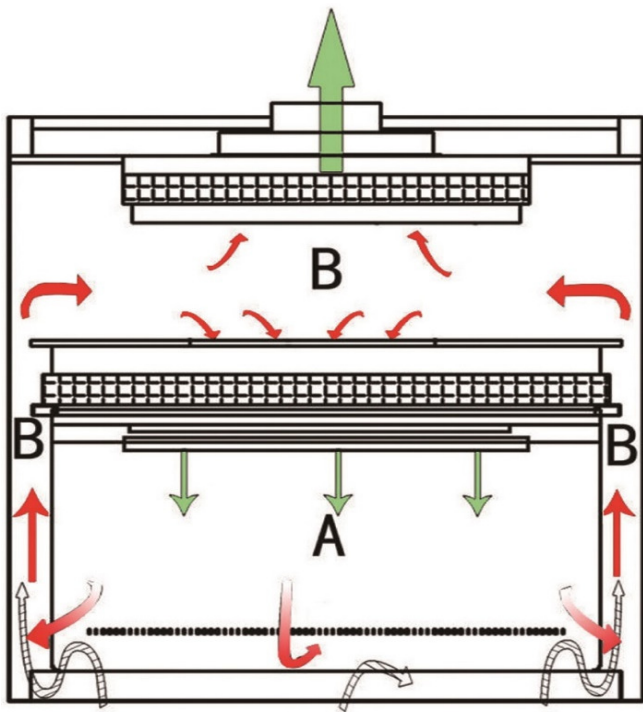
- Advanced technology of front glass balancer suspension system design, can prevent from leaking.
- 6mm anti-ultraviolet radiation toughened glass front window can provide safety protection.

- Three sides of the inner wall are all stainless steel and adopt integrated structure, 12mm big circular arc filtration can do complete washing.

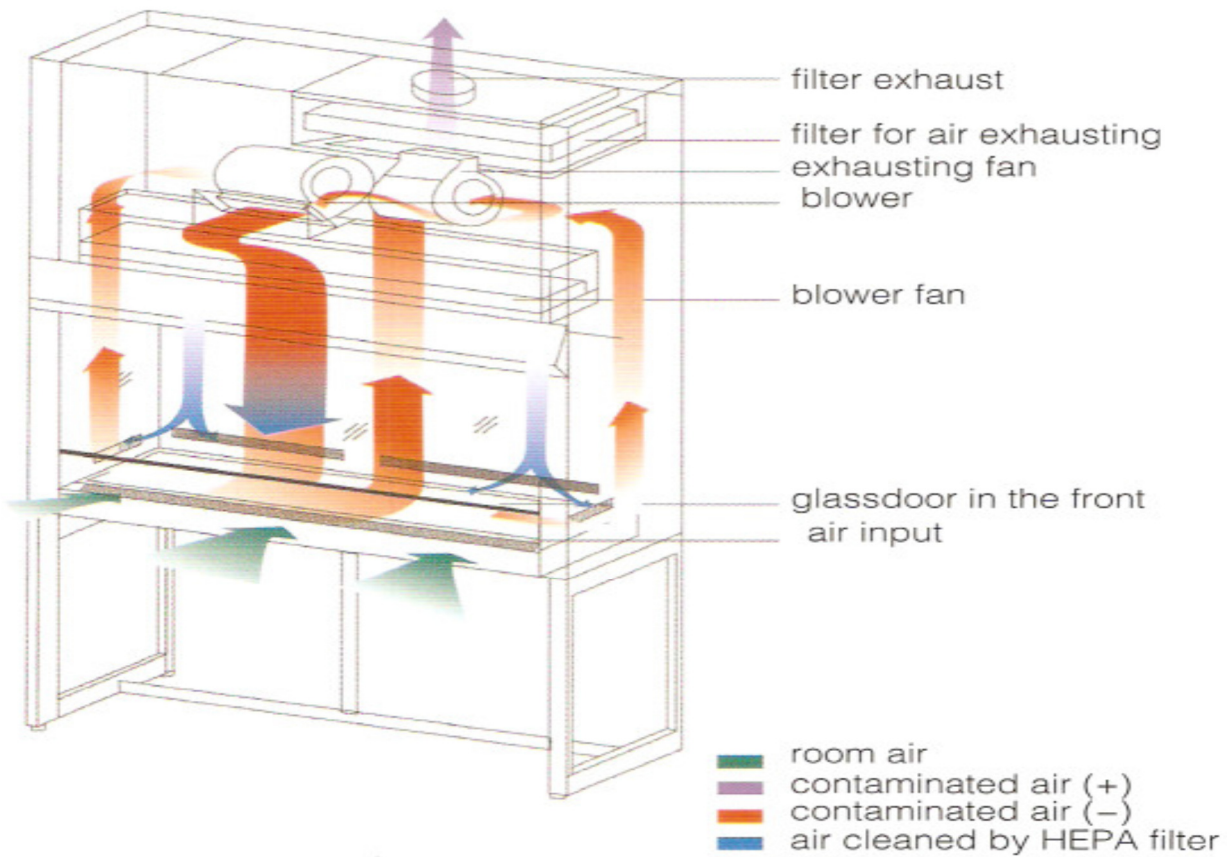


- The capacity of the collecting slot is above 4L, and equipped with blow down valve, it is convenient for cleaning and maintaining.

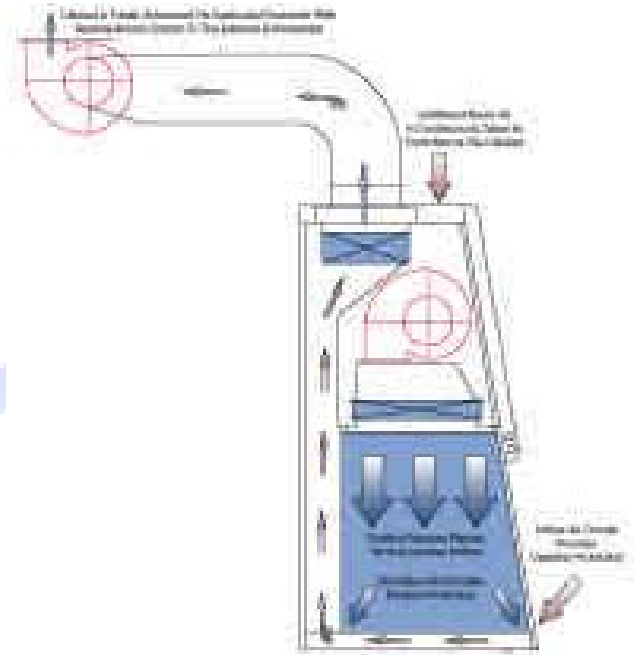
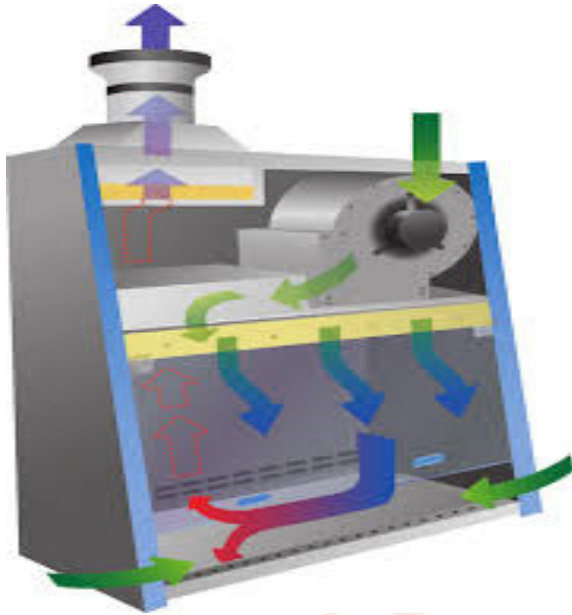
- The cabinet and the bracket can be separated, there are many kinds of brackets for choice, firm and stable tail can be adjusted to 75mm.



-  Room Air
-  Polluted Air
-  HEPA Filted Air
- A Protected Area
- B Unprotected Area



TYPE-IIB2 100% EXHAUST



ERGONOMIC DESIGN

- 100% exhaust.
- 10° angled front window provides a comfortable work space for operators.
- Adjustable height stand with hidden mechanism to avoid contamination.
- Universal castor for convenient moving.
- Drop-down front window design for easier cleaning of the upper edge of glass.
- Removable hand rest reduces arm fatigue and does not interfere with air inflow.
- Optional accessories include water valve (manual/electric), air valve and VHP sterilizer.



Side Glass Windows

Glass wall allows more natural light in, reducing optical stress caused by artificial lighting as well as maximising the usable space.

304 Stainless Steel Operation Platform and Internal Wall

- Stainless Steel 304 operation platform without screws. No accumulation of contaminants.
- Dismountable air in-flow plate, easy to clean and disinfect.
- Internal wall is constructed by a single plate, and the 12mm arc angle Conner leaves no blind area / spot for cleaning.
- The volume of liquid tank is more than 5 L, equipped with outlet valve for cleaning and disinfection / maintenance.
- Concaved operation platform, waste liquid easily collected.
- Height adjustable support stand (0-75mm) without exposed screw thread.

Ultra Low Penetration Air Filtration System

- American AAF ULPA filter
- Tested to a typical efficiency of 99.9995% for 0.12 micron particles
- Provides ISO14644.1 class 3 clean air to work surface in a stable vertical laminar flow to protect samples
- The exhaust ULPA filter traps biohazard particles acquired from the work surface before air is exhausted to the room (In Class II A2 Type Cabinet & Outside room (In Class Ii Type B2 Cabinet) offering personnel and environmental protection

High Efficiency Blower System

- The blower system is designed for high performance operation, maximum energy efficiency and minimal maintenance
- Self-cooling system reduces energy consumption while enhancing reliability

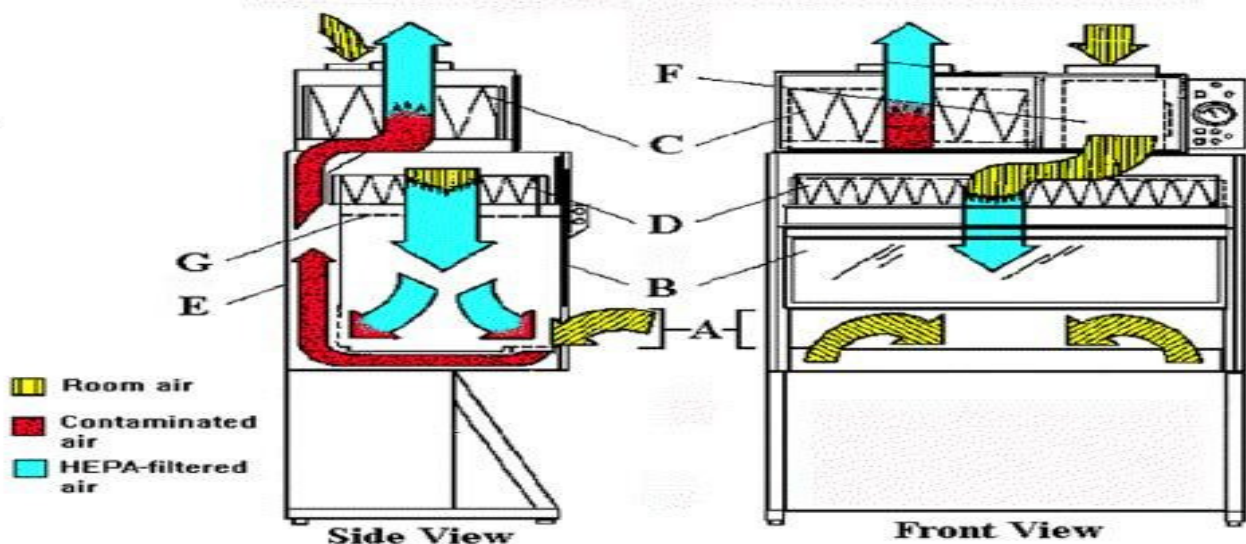
Ergonomic Design

- 10° angled front window provides a comfortable work space for operators.
- 75mm adjustable supporter ensures correct height for different users.
- UV Sterilization reservation function.
- Lamp is set behind supporter, making eyes more comfortable.
- Automatically remind when filter lifetime less than 10% so that filter can be change in time.
- Removable stainless steel work surface make convenient cleaning.
- Adjustable height stands with hidden mechanism to avoid contamination.
- Universal castor for convenient moving.
- Drop-down front window design for easier cleaning of the upper edge of glass.
- Removable hand rest reduces arm fatigue and does not interfere with air inflow.

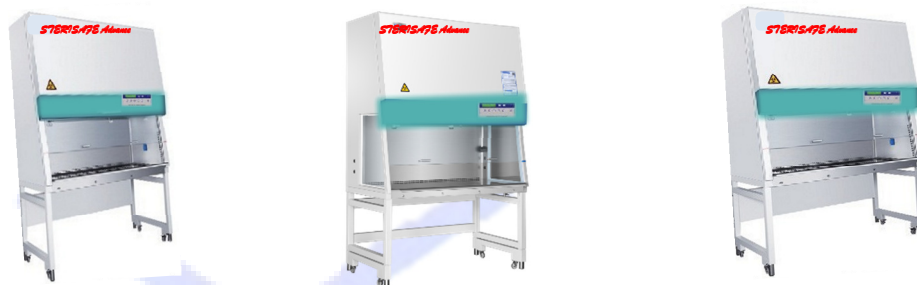
Intelligence alarm system

- Alarm when opening height of sash exceeds the safety limit line.
- Alarm when airflow fluctuation exceeds 20%.
- Alarm when sash is not closed properly and blower is turned off.
- Alarm when filter life is less than 10% of total lifetime.

Standards Compliance	Microbiological Safety	Air Quality	Filtration	Electrical Safety
	EN 12469 Type tested	ISO 14644.1, Class 3,	EN-1822 (H14), Europe	EN61010



BIOLOGICAL SAFETY CABINET CLASS II TYPE A2



Model	ABS-SSA30-A2	ABS-SSA40-A2	ABS-SSA50-A2
Working Voltage & Frequency (V/Hz)	220/50	220/50	220/50
Power(VA)	1200	1300	1400
Heat Emission (BTU/hr)	1250	1350	1450
Interior & Side Wall	S.S Interior & Side Wall	S.S Interior & Side Wall Glass/ S.S	S.S Interior & Side Wall
Vibration	Less than 5µm	Less than 5µm	Less than 5µm
Air flow Circulation	70% down flow 30% exhaust	70% down flow 30% exhaust	70% down flow 30% exhaust
Main Filter Typical Efficiency	HEPA Filter 99.9995% @ 0.3µm	HEPA Filter 99.9995% @ 0.3µm	HEPA Filter 99.9995% @ 0.3µm
Exhaust Filter Typical Efficiency	HEPA Filter 99.995% @ 0.3µm	HEPA Filter 99.995% @ 0.3µm	HEPA Filter 99.995% @ 0.3µm
Filter's Brand	AAF/Camfil/USHA	AAF/Camfil/USHA	AAF/Camfil/USHA
Down flow Velocity(m/s)	0.33	0.34	0.34
In flow Velocity(m/s)	0.55	0.55	0.55
Fluorescent Lamp Intensity (Lux)	1200	1200	1200
Noise Level (dB A)	65	65	65
Net/Gross Weight	180 KG	220 KG	280 KG
Internal Dimensions(W*D*H)	900 x 600x500 mm	1200 x 600 x 500mm	1500 x 600 x 500 mm
External Dimensions(W*D*H)	1050 x 700 x 2050 mm	1350 x 700 x 2050 mm	1650 x 700 x 2050 mm
Supporter	680	680	680
Alarm	Sound and Flash	Sound and Flash	Sound and Flash
Certificate	EN12469	EN12469	EN12469

BIOLOGICAL SAFETY CABINET CLASS II TYPE B2



Model	ABS-SSA30-B2	ABS-SSA40-B2	ABS-SSA50-B2
Working Voltage & Frequency(V/Hz)	220/50	220/50	220/50
Power(VA)	1500	1700	1800
Heat Emission (BTU/hr)	1250	1350	1450
Vibration	Less than 5 μ m	Less than 5 μ m	Less than 5 μ m
Airflow Circulation	100% exhaust	100% exhaust	100% exhaust
Main Filter Typical Efficiency	HEPA Filter 99.9995% @ 0.3 μ m	HEPA Filter 99.9995% @ 0.3 μ m	HEPA Filter 99.9995% @ 0.3 μ m
Exhaust Filter Typical Efficiency	HEPA Filter 99.995% @ 0.3 μ m	HEPA Filter 99.995% @ 0.3 μ m	HEPA Filter 99.995% @ 0.3 μ m
Filter's Brand	AAF/Camfil/USHA	AAF/Camfil/USHA	AAF/Camfil/USHA
Down flow Velocity(m/s)	0.33	0.34	0.34
Inflow Velocity(m/s)	0.55	0.55	0.55
Noise Level	\leq 65 dB	\leq 65 dB	\leq 65 dB
Fluorescent Lamp Intensity(Lux)	1200	1200	1200
Net/Gross Weight	210 KG	240 KG	290 KG
Internal Dimensions(W*D*H)	900 x 600x500 mm	1200 x 600 x 500mm	1500 x 600 x 500 mm
External Dimensions(W*D*H)	1050 x 700 x 2050 mm	1350 x 700 x 2050 mm	1650 x 700 x 2050 mm
Supporter	680	680	680
Alarm	Sound and Flash	Sound and Flash	Sound and Flash
Certificate	EN12469	EN12469	EN12469



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