



# Advance Biotech Solutions India Pvt. Ltd.

(Advance Technologies, Effective Solutions)



(An ISO 9001:2015 Certified Company)



# *STERISAFE MAX*

## **BIOLOGICAL SAFETY CABINET**



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



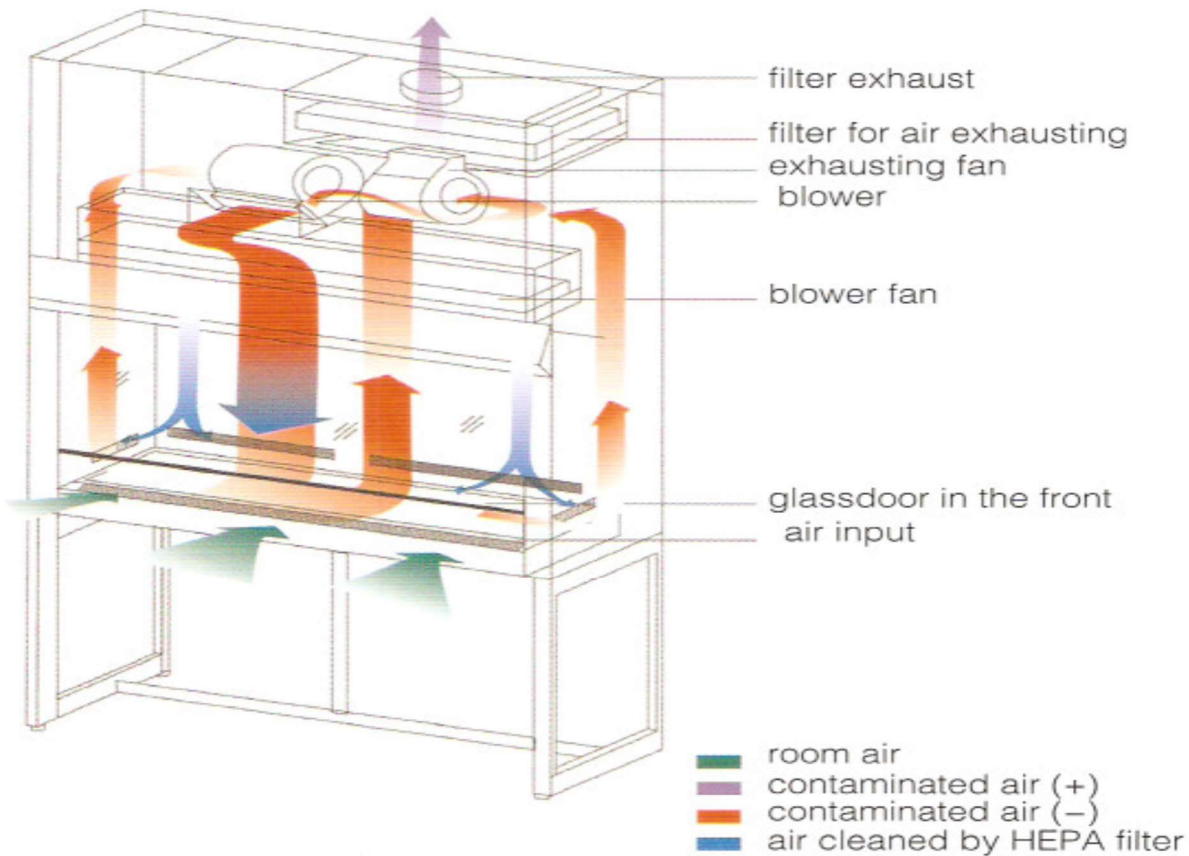
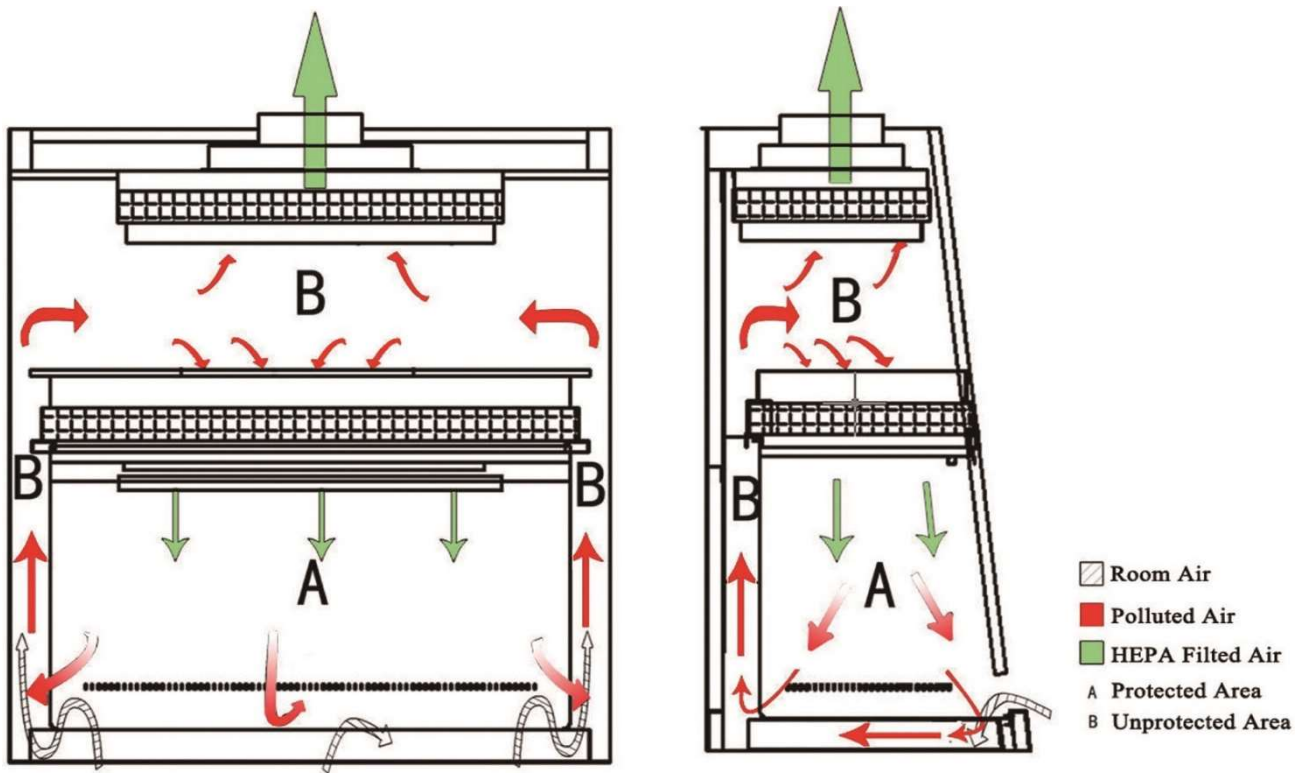
- American AAF filter, ensure the safety of the operator, swatch and environment.
- High efficiency fan, ensure the excellent performance of the cabinet.



- Anti-burst, anti-splash receptacle.

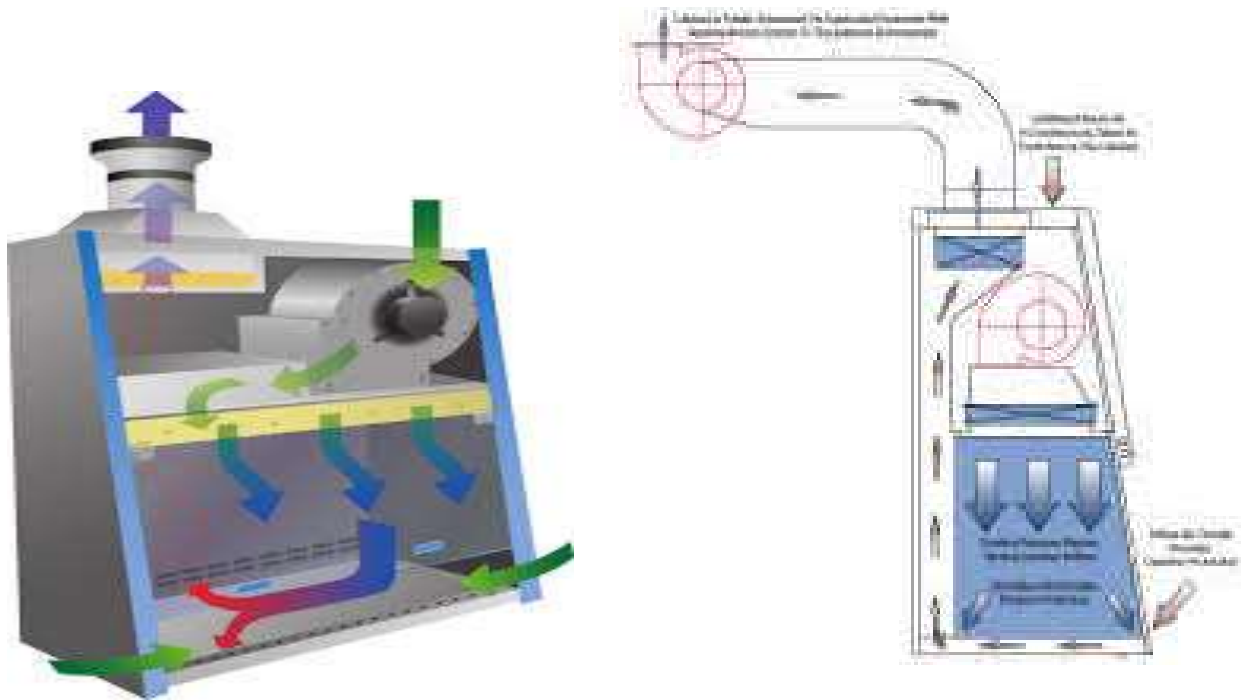
- Advanced technology of front glass balancer suspension system design, can prevent from leaking.
- 6mm anti-ultraviolet radiation toughened glass front window can provide safety protection.
- The capacity of the collecting slot is above 4L, and equipped with blow down valve, it is convenient for cleaning 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.





## 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.

## 304 Stainless Steel Operation Work surface and Inner Walls

- Stainless Steel 304 operation platform without screws, no accumulation of contaminant
- Dismountable air in-flow plate, easy to clean and disinfect.
- Internal wall is constructed by a single plate, and the 12mm arc angled corner leaves no blind-spot/area for cleaning.
- The volume of liquid tank is over 4L, equipped with outlet valve for convenient cleaning and maintaining
- Concaved operation platform, waste liquid easily collected.
- Adjustable supporter (0-75mm) without exposed screw thread, preventing the germs from multiplying.

## 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 Air flow to protect samples
- The exhaust ULPA Filter traps biohazard particles acquired from the work surface before air is exhausted to the room (In A2 Type Cabinet) or outside room (In B2 Type Cabinet) ensures personnel and environmental protection

## High Efficiency Blower System

- Two Separate Microprocessor Controlled Fan Motors for Down flow and Exhaust which automatically adjust airflow speed to ensure continuous safe working condition.
- The blower system is designed for high performance operation, maximum energy efficient and minimal maintenance
- Self-cooling system reduces energy consumption while enhancing reliability

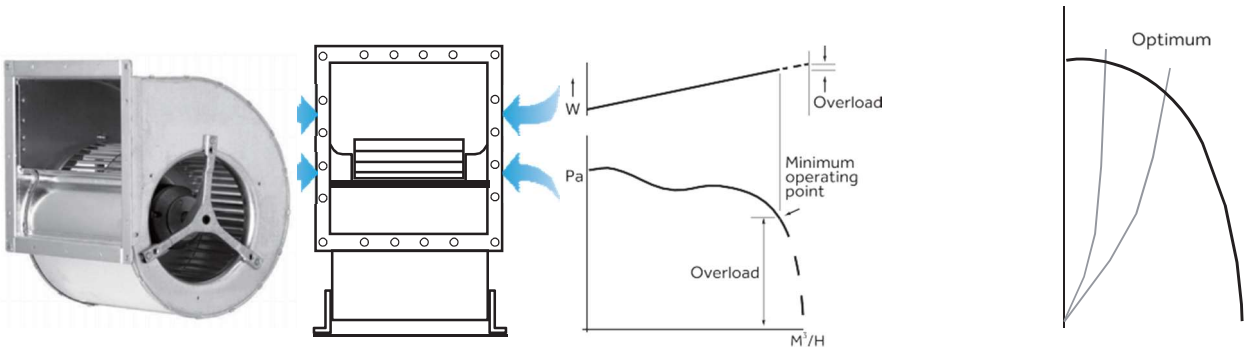
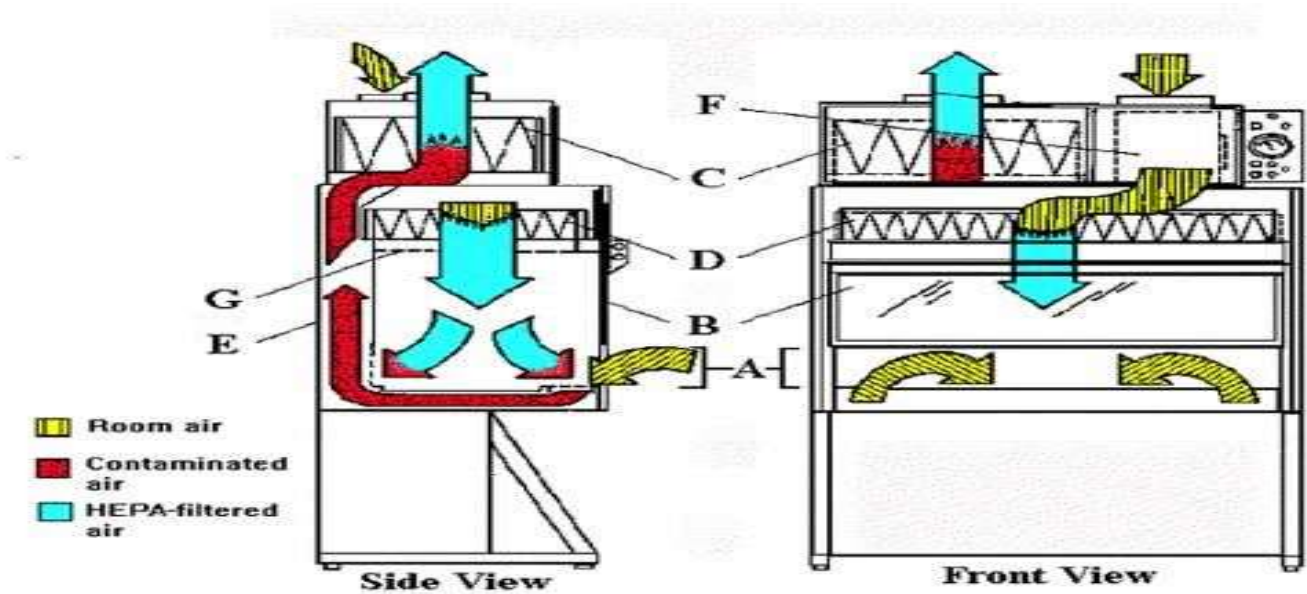
## Ergonomic Design

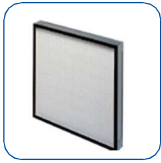
- 10° angled and 8" open front window provides a comfortable work space for operators.
- Microprocessor Controlled display for-airflow velocity with touch screen.
- 75mm adjustable supporter ensures correct height for different users.
- UV Sterilization reservation function.
- Lamp is set behind supporter, 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 Certified	ISO 14644.1, Class 3,	EN-1822 (H14), Europe	EN61010, ISO-13485





## ULPA Filter System

Adopts two ULPA exhaust filters while SSM900/1200/1500/1800-IIA2 adopts one ULPA exhaust filter to provide three levels of protection: operator, product and environment.



## UV Lamp

Ultraviolet light can be reserved and set automate on/off time. The sterilization time interval from 0 to 24 hours, reducing downtime.



## Low Noise and Uniform Airflow

- Dual DC fans operate with lower noise and Better uniformity airflow.
- The power of double fans is less than 300W, low energy consumption.



## LCD Screen

- Displays real time operating parameters, filters Life cycles and other critical parameters.
- Equipped with multiple audible and visual alarm functions.



## 10° Inclination Design of Cabinet Body

The front operation interface has an ergonomic design of 10 ° inclination to ensure more comfortable operation.



## Debris Grid

Debris grid catches debris such as paper scrap to damage negative pressure zone.



## Side Glass Windows

Tempered glass side walls increase visibility and prevents the operator from experiencing a "boxed-in" feeling.



## Drop-down Glass Door

Drop-down glass door is easy to clean.



## Partitioned Workbench

Easy to lift and clean which can be directly placed into the autoclave.



## Raised Arm Rest

- Helps prevent grille blocking. Comfortable
- working posture.

# Biological Safety Cabinets



Equipped with dual DC centrifugal fans, ensure the air flow in the safety cabinet is stable and less noisy. The wind speed is easy to adjust.

The ergonomic 10° inclination of the cabinet makes the operation more comfortable and the vision clearer.



The hot-ball anemometer monitors the wind speed in the working area and exhaust area of the safety cabinet in real time, then compares this with the standard wind speed. The rotating speed of the fan is adjusted through the microprocessor system to maintain the constant wind speed of the safety



Equipped with an ultra-high efficiency filter to provide air flow with ultra-high cleanliness in the working area, reaching the US standard Fed STD 209E class 1.



LCD screen:

Digital display of running status, abnormal operation conditions alarm, filter and UV lamp service life warning function, UV lamp timing function and interlock technology.

It is equipped with waterproof socket timing function.

Plain type worktable, large basin.

Adjustable height stand (optional)

One-piece arm rest, comfortable to use and relieves fatigue.

Universal casters with built-in threaded support feet.



# BIOLOGICAL SAFETY CABINET CLASS II TYPE A2



Model	ABS-SSM900-IIA2	ABS-SSM1200-IIA2	ABS-SSM1500-IIA2	ABS-SSM1800-IIA2
Working Voltage & Frequency (V/Hz)	220/50	220/50	220/50	220/50
Power(VA) ECM/DC	1200	1300	1400	1400
Heat Emission (BTU/hr )	1250	1350	1450	1450
Vibration	Less than 5µm	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	70% down flow 30% exhaust
Main Filter Typical Efficiency	ULPA Filter 99.9999% @ 0.12µm	ULPA Filter 99.9999% @ 0.12µm	ULPA Filter 99.9999% @ 0.12µm	ULPA Filter 99.9999% @ 0.12µm
Exhaust Filter Typical Efficiency	ULPA Filter 99.9995% @ 0.3µm	ULPA Filter 99.9995% @ 0.3µm	ULPA Filter 99.9995% @ 0.3µm	ULPA Filter 99.9995% @ 0.3µm
Filter's Brand	AAF/Camfil/ USHA	AAF/Camfil/ USHA	AAF/Camfil/ USHA	AAF/Camfil/ USHA
Down flow Velocity(m/s)	0.33	0.34	0.34	0.34
In flow Velocity(m/s)	0.55	0.55	0.55	0.55
Fluorescent Lamp Intensity (Lux)	900-1200	900-1200	1200	1200
Noise Level (dB A)	62	62	62	62
Net/Gross Weight	180 KG	220 KG	250 KG	280 KG
Internal Dimensions(W*D*H)	900 x 600x500 mm	1200 x 600 x 600mm	1500 x 600 x 600 mm	1800 x 600 x 600 mm
External Dimensions(W*D*H)	1050 x 700 x 2050 mm	1350 x 700 x 2050 mm	1650 x 700 x 2050 mm	1950 x 750 x 2050 mm
Supporter	680	680	680	680
Alarm	Sound and Flash	Sound and Flash	Sound and Flash	Sound and Flash
Certificate	EN12469, NSF, CE	EN12469, NSF, CE	EN12469, NSF, CE	EN12469, NSF, CE

# BIOLOGICAL SAFETY CABINET CLASS II TYPE B2



Model	ABS-SSM900-IIB2	ABS-SSM1200-IIB2	ABS-SSM1500-IIB2
Working Voltage& Frequency (V/Hz)	220/50	220/50	220/50
Power(VA) ECM	1500	1700	1800
Heat Emission (BTU/hr )	1250	1350	1450
Vibration	Less than 5μm	Less than 5μm	Less than 5μm
Airflow Circulation	100% exhaust	100% exhaust	100% exhaust
Main Filter Typical Efficiency	ULPA Filter 99.9999% @ 0.12um	ULPA Filter 99.9999% @ 0.12um	ULPA Filter 99.9999% @ 0.12um
Exhaust Filter Typical Efficiency	ULPA Filter 99.9995% @ 0.3um	ULPA Filter 99.9995% @ 0.3um	ULPA Filter 99.9995% @ 0.3um
Filter's Brand	AAF/Camfil/ USHA	AAF/Camfil/ USHA	AAF/Camfil/ USHA
Downflow Velocity(m/s)	0.33	0.34	0.34
Inflow Velocity(m/s)	0.55	0.55	0.55
Noise Level	≤62 dB	≤62 dB	≤62 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, NSF	EN12469, NSF	EN12469, NSF



## **ADVANCE BIOTECH SOLUTIONS INDIA PRIVATE LIMITED**

(ADVANCE TECHNOLOGIES, EFFECTIVE SOLUTIONS)

311, Vardhman Key Point Plaza, Plot No.1, Local Shopping Centre, Sector-6, Dwarka, Near DAV Public School  
New Delhi-110 075 Ph: 011-25074703/25050521, Email Id: - [skp@absipl.in](mailto:skp@absipl.in), Website: - [www.absipl.in](http://www.absipl.in)