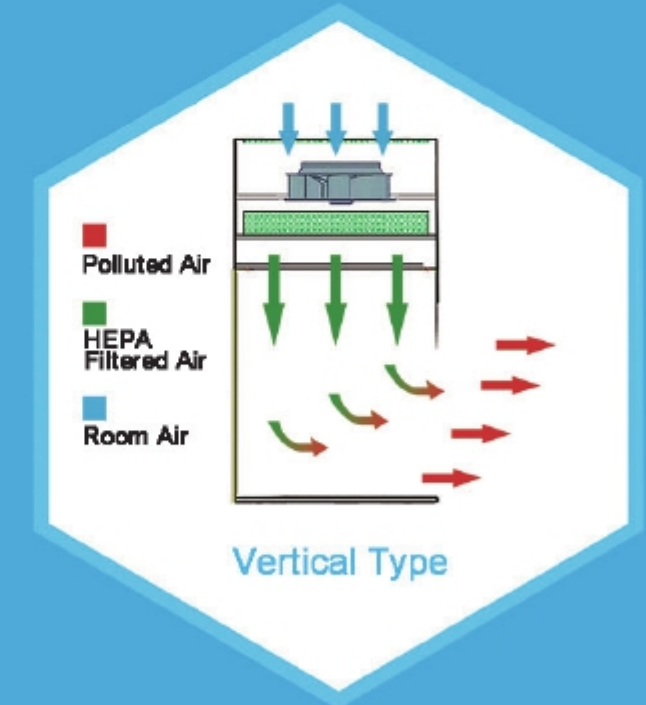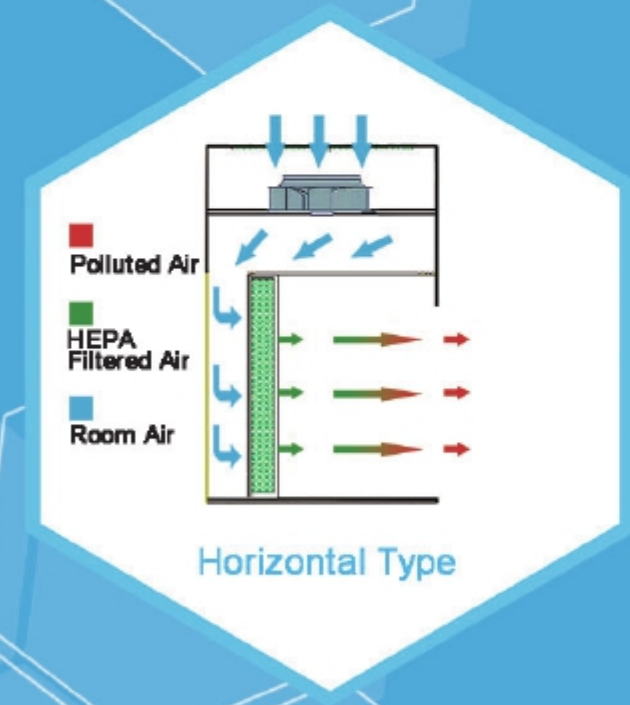# Laminar Flow Cabinet

Laminar Flow Cabinet - sample protection only

Laminar Flow Cabinet is a work bench or similar enclosure, which creates a particles-free working environment by taking air through a filtration system and exhausting it across a work surface in a laminar or unidirectional air stream. The laminar flow cabinet is enclosed on the sides and kept under constant positive pressure in order to prevent the infiltration of contaminated room air.

Laminar flow cabinet is widely used in medical research laboratories, hospital, manufacturing facilities and other research and production environments.

Polluted Air
HEPA Filtered Air
Room Air

Horizontal Type

Polluted Air
HEPA Filtered Air
Room Air

Vertical Type

SFDA CE (certification logos)

Horizontal Laminar Flow Cabinet

BIOBASE

TECHNICAL PARAMETERS

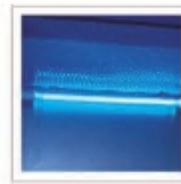| Model	BBS-H1300	BBS-H1800
External Size （W*D*H）	1300*825*2040mm	1800*825*2040mm
Internal Size （W*D*H）	1200*500*570mm	1700*500*570mm
Work Surface Height	750mm	
Display	LCD Display	
Airflow Velocity	Average of 0.3~0.5m/s	
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating	
	Work Table: 304 stainless steel	
	Side and Front Window: 5mm toughened glass, anti-UV	
Pre-Filter	Polyester fiber, washable	
HEPA Filter	99.999% efficiency at 0.3μm	
Noise	<60dB	
Front Window	Motorized	
Max Opening	430mm	
Fluorescent Lamp	28W*1	28W*2
UV Lamp	30W*1 Emission of 253.7 nanometers	30W*1
Consumption	400W	700W
Waterproof Socket	Two, total load≤500W	
Caster	Universal caster with leveling feet	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Standard Accessory	Fluorescent lamp, UV lamp*2, Base stand, Gas Tap, Waterproof socket*2	
	Water tap(only for BBS-H1800)	
Gross Weight	254kg	328kg
Package Size （W*D*H）	1450*1060*1650mm	1950*1060*1600mm

LCD Display
Airflow velocity, UV timer, UV work time, system work time, real time.

Waterproof Socket
2 waterproof sockets are located in the side panel, for optimum convenience of using small devices inside the cabinet.
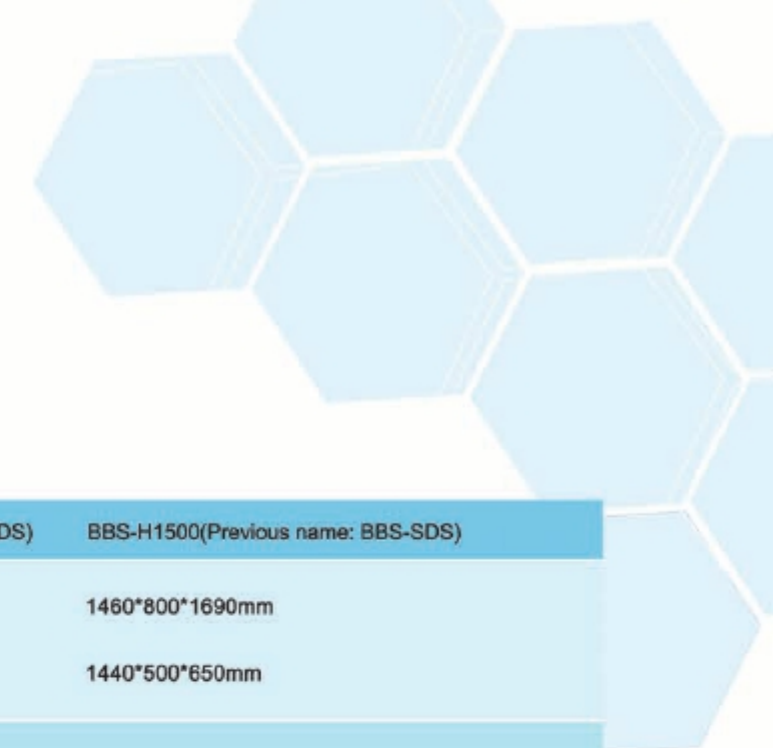
Gas Tap

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination

Side Glass Window
The transparent side glass windows maximize light and visibility inside the cabinet, providing a bright and open working environment.

SFDA CE ISO 9001 ISO 13485 SGS

Horizontal Laminar Flow Cabinet

BIOBASE

LED Display
Microprocessor control system, LED display

Waterproof Socket
2 waterproof sockets are located in the top panel, for optimum convenience of using small devices inside the cabinet.

Side Glass Window
The transparent side glass windows maximize light and visibility inside the cabinet, providing a bright and open working environment.

TECHNICAL PARAMETERS

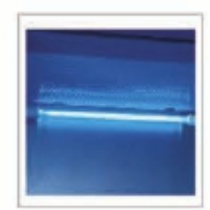| Model	BBS-H1100(Previous name: BBS-DDS)	BBS-H1500(Previous name: BBS-SDS)
External Size （W*D*H）	1060*800*1690mm	1460*800*1690mm
Internal Size （W*D*H）	1040*500*650mm	1440*500*650mm
Work Surface Height	750mm	
Display	LED Display	
Airflow Velocity	Average of 0.3~0.5m/s	
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating	
	Work Table: 304 stainless steel	
	Side Windows: 5mm toughened glass, anti-UV	
Pre-Filter	Polyester fiber, washable	
HEPA Filter	99.999% efficiency at 0.3μm	
Noise	<60dB	
Fluorescent Lamp	21W*1	28W*1
UV Lamp	20W*1 Emission of 253.7 nanometers	30W*1
Consumption	320W	620W
Waterproof Socket	Two, total load≤500W	
Caster	Universal caster with leveling feet	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Standard Accessory	Fluorescent lamp, UV lamp*2, Base stand, Waterproof socket*2	
Gross Weight	150kg	179kg
Package Size （W*D*H）	1230*1000*1820mm	1630*1000*1820mm

SFDA CE ISO ISO SGS

Vertical Laminar Flow Cabinet

BIOBASE

TECHNICAL PARAMETERS

Model	BBS-V1300	BBS-V1800
External Size（W*D*H）	1310*750*2040mm	1800*750*2040mm
Internal Size（W*D*H）	1200*645*610mm	1700*645*610mm
Work Surface Height	750mm	
Display	LCD Display	
Airflow Velocity	Average of 0.3~0.5m/s	
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating	
	Work Table: 304 stainless steel	
	Side and Front Windows: 5mm toughened glass anti-UV	
Pre-Filter	Polyester fiber, washable	
HEPA Filter	99.999% efficiency at 0.3μm	
Noise	<60dB	
Front Window	Motorized	
Max Opening	430mm	
Fluorescent Lamp	28W*1	36W*1
UV Lamp	30W*1 Emission of 253.7 nanometers	40W*1
Consumption	400W	450W
Waterproof Socket	Two, total load≤500W	
Caster	Universal caster with leveling feet	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Standard Accessory	Fluorescent lamp, UV lamp*2, Base stand, Gas Tap, Waterproof socket*2	
Gross Weight	228kg	306kg
Package Size（W*D*H）	1460*1070*1650mm	1960*970*1600mm

LCD Display
Airflow velocity, UV timer, UV work time, system work time, real time.

Waterproof Socket
2 waterproof sockets are located in the side panel, for optimum convenience of using small devices inside the cabinet.

Gas Tap

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

Side Glass Window
The transparent side glass windows maximize light and visibility inside the cabinet, providing a bright and open working environment.

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Vertical Laminar Flow Cabinet

BBS-DDC/BBS-SDC

BBS-V680

BBS-V800

TECHNICAL PARAMETERS

| Model	BBS-V680	BBS-V800	BBS-DDC	BBS-SDC
External Size (W*D*H)	680*410*1160mm	802*650*1550mm	1040*615*1770mm	1440*615*1770mm
Internal Size (W*D*H)	630*375*615mm	800*600*540mm	940*540*545mm	1340*540*545mm
Work Surface Height	/	660mm	750mm	750mm
Display	LED Display			
Airflow Velocity	Average of 0.3~0.5m/s, air speed adjustable.			
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating Work Table: 304 stainless steel			
Pre-Filter	Polyester fiber, washable			
HEPA Filter	99.999% efficiency at 0.3 µm			
Noise	<60dB			
Front Window	/	Manual, 5mm toughened glass, anti-UV		
Max Opening	/	490mm	350mm	350mm
Fluorescent Lamp	14W*1	14W*1	21W*1	28W*1
UV Lamp	15W*1	20W*1	18W*1	30W*1
	Emission of 253.7 nanometers			
Consumption	160W	350W	350W	600W
Caster	/	Universal wheel with leveling feet		
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Standard Accessory	Fluorescent lamp, UV lamp*2 (for all models) Water & gas tap (for model BBS-V680) Base stand (except model BBS-V680)			
Gross Weight	50kg	116kg	150kg	174kg
Package Size (W*D*H)	840*560*1380 mm	960*800*1800mm	1190*890*1340mm	1590*890*1330mm

SFDA CE ISO 9001 ISO 13485 SGS
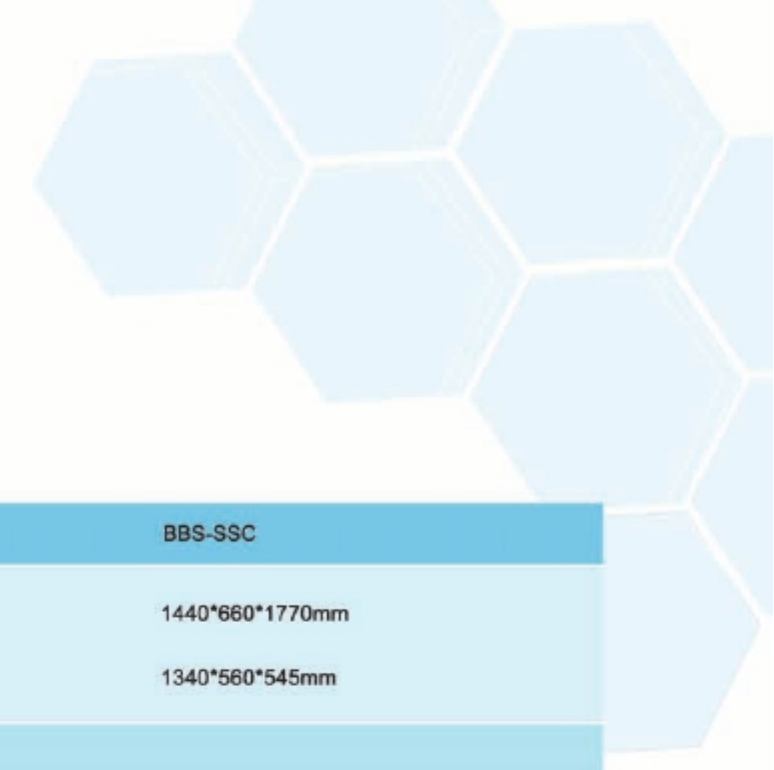
Vertical Laminar Flow Cabinet
---Double Sides Type

BIOBASE

LED Display
Microprocessor control system, LED display
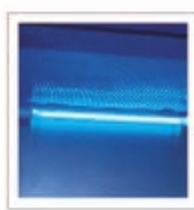
UV Lamp
Emission of 253.7 nanometers for most efficient decontamination

Double Sides
Double sides work bench, operators can sit face to face

ADVANTAGE

Double sides work bench, 2~4 operators can work together.

TECHNICAL PARAMETERS

Model	BBS-DSC	BBS-SSC
External Size (W*D*H)	1040*660*1770mm	1440*660*1770mm
Internal Size (W*D*H)	940*560*545mm	1340*560*545mm
Work Surface Height	750mm	
Display	LED Display	
Airflow Velocity	Average of 0.3~0.5m/s	
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating Work Table: 304 stainless steel	
Pre-Filter	Polyester fiber, washable	
HEPA Filter	99.999% efficiency at 0.3μm	
Noise	<60dB	
Front Window	Manual, 5mm toughened glass, anti-UV	
Max Opening	350mm	
UV Lamp	18W*1 Emission of 253.7 nanometers	30W*1
Fluorescent Lamp	21W*1	28W*1
Consumption	350W	600W
Caster	Universal caster with leveling feet	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Standard Accessory	Fluorescent lamp, UV lamp*2, Base stand	
Gross Weight	150kg	174kg
Package Size (W*D*H)	1190*890*1340mm	1590*890*1340mm

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Mini Cabinet

BIOBASE

There are two types:

- Vertical laminar flow cabinet BBS-V500: positive pressure in work area only protects sample.

Air Flow Pattern:

BBS-V500

	Room Air
	Polluted Air
	HEPA filtered Air
A	Protected Area
B	Contaminated Area
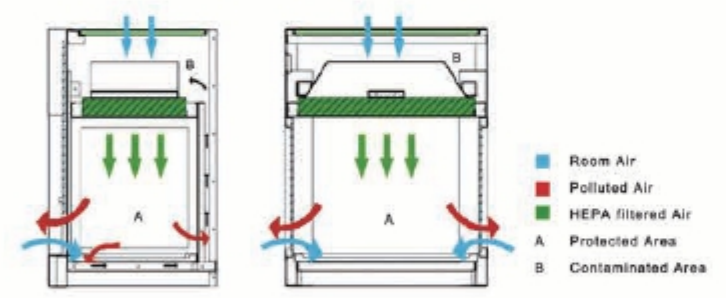
- Class I biological safety cabinet BYKG-VII: negative pressure in work area protects operator and environment.

BYKG-VII

	Room Air
	Polluted Air
	HEPA filtered Air
A	Protected Area
B	Contaminated Area

ADVANTAGE

1. Air speed adjustable.
2. Tabletop type, easy to carry and save space.
3. Microprocessor control system, LED Display.
4. HEPA Filter with efficiency: 99.999% at 0.3μm.
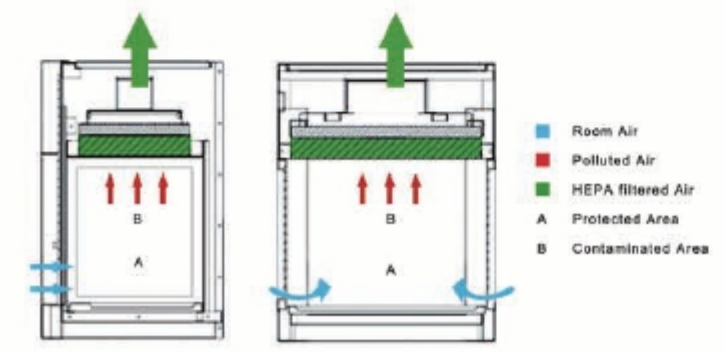
TECHNICAL PARAMETERS

Model	BBS-V500	BYKG-VII
External Size（W*D*H)	550*460*700mm	550*460*700mm
Internal Size（W*D*H)	480*340*370mm	480*340*370mm
Display	LED Display	LED Display
Airflow Velocity	0.3~0.5m/s	≥0.5m/s
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating Work Table: 304 stainless steel	
Pre-Filter	Polyester fiber, washable	Polyester fiber, washable
HEPA Filter	99.999% efficiency at 0.3μm	99.999% efficiency at 0.3μm
Noise	<60dB	<60dB
Front Window	Manual, 5mm toughened glass, anti UV	Manual, 5mm toughened glass, anti UV
Max Opening	310mm	310mm
Fluorescent Lamp	8W*1	8W*1
UV Lamp	8W*1 Emission of 253.7 nanometers	8W*1 Emission of 253.7 nanometers
Consumption	100W	100W
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Standard Accessory	Fluorescent lamp*1, UV lamp*2	
Gross Weight	47kg	47kg
Package Size (W*D*H)	700*610*830mm	700*610*830mm

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PCR Cabinet

BIOBASE
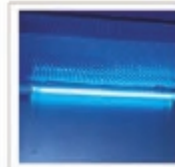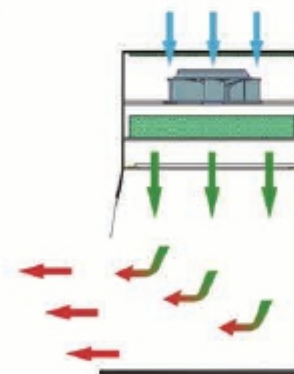

LED Display
LED display: UV timer

Waterproof Socket
2 waterproof sockets are located in the back wall, for optimum convenience of using small devices inside the cabinet.

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

Shelf with IV Bar

- Polluted Air
- HEPA Filtered Air
- Room Air

Side Glass Window
Side glass windows maximize light and visibility inside the cabinet, providing a bright and open working environment.

ADVANTAGE

1. LED display.
2. UV sterilization system.
3. HEPA filter efficiency 99.999% at 0.3µm.
4. Interlock function: UV lamp only can be switched on when the front window is closed, ensuring operator safety.
5. UV timer (1-99 minutes): When the setting time expires, the UV lamp automatically switches off in preparation for the next experiment.

TECHNICAL PARAMETERS

Model	PCR-01
External Size (W*D*H)	1000*705*1770mm
Internal Size (W*D*H)	900*595*560mm
Work Surface Height	750mm
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating
	Work Table: 304 stainless steel
Front & Side Windows	5mm toughened glass, anti-UV
	Manual front window
Max Opening	320mm
Pre-Filter	Polyester fiber, Washable
HEPA Filter	99.999% efficiency at 0.3µm
Airflow Velocity	0.3-0.5m/s, speed adjustable
Noise	≤60dB
UV Lamp	20W*2 Emission of 253.7 nanometers, with UV timer
Fluorescent Lamp	40W*1
Illumination	>1000Lux
Shelf with IV Bar	Stainless steel, 495*140*55mm(W*D*H)
Caster	Universal caster with leveling feet
Consumption	380W
Waterproof Socket	Two, total load≤500W
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz
Standard Accessory	UV lamp*3, Fluorescent lamp, Base stand, Waterproof socket*2, Shelf with IV bar
Gross Weight	150kg
Package Size (W*D*H)	1160*920*1350mm