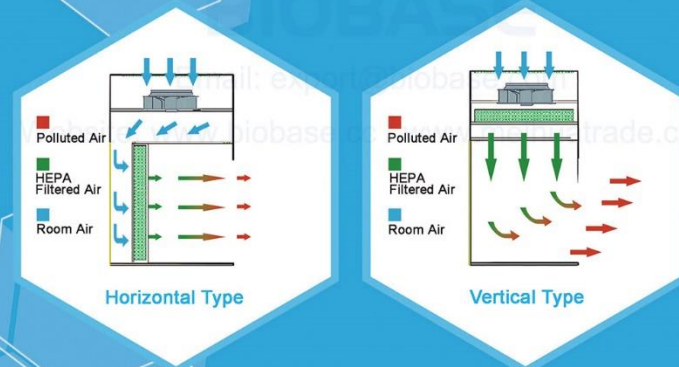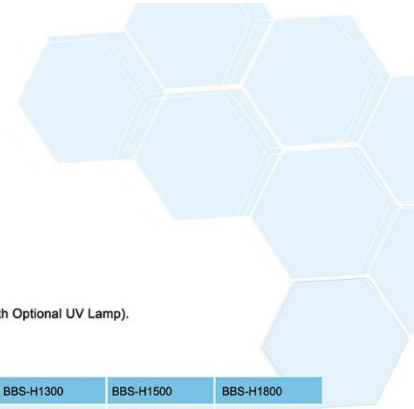# Laminar Flow Cabinet

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

ETL Certified
Horizontal Laminar
Flow Cabinet

BIOBASE

Stainless Steel I.V.
Bar with 10 hooks
(optional)

Waterproof Socket
America Standard

Footmaster Caster
Universal caster with brake
and leveling feet

Wind Speed Sensor
Direct measurement of wind speed

ADVANTAGE

1. ETL certification, Satisfy North American market.
2. With memory function in case of power-failure.
3. Audio and visual alarm (Abnormal airflow velocity).
4. Interlock function: UV Lamp and blower, LED Lamp(Only with Optional UV Lamp).

TECHNICAL PARAMETERS

Model	BBS-H800	BBS-H1100	BBS-H1300	BBS-H1500	BBS-H1800
External Size(W*D*H)	800*810* (1720~1980)mm	1100*810* (1720~1980)mm	1300*810* (1720~1980)mm	1500*810* (1720~1980)mm	1800*810* (1720～1980)mm
Internal Size(W*D*H)	700*500*600mm	1000*500*600mm	1200*500*600mm	1400*500*600mm	1700*500*600mm
Work Surface Height	750～1010mm				
Max Opening	480mm				
Display	LCD Display				
Airflow Velocity	80~99fpm				
Material	Working area: 304stainless Steel.				
	Main Body: 1.2mm Cold-rolled steel with anti-bacteria powder coating.				
	Front Window:5mm toughened glass, anti-UV.				
Pre-Filter	Polyester fiber				
HEPA Filter	One,99.995% efficiency at 0.3um				
Noise	≤67dB(A)				
Illumination	≥300lx				
Waterproof Sockets	One socket (Double type), America standard，Max.Power: 500W				
Power Supply	110V±10% 60HZ				
Consumption	750W	950W	950W	950W	1150W
LED Lamp	10W*1	14W*1	14W*1	18W*1	22W*1
Standard Accessory	Manually height adjustable base stand,LED lamp, wind speed sensor, waterproof socket				
Optional Accessory	Stainless Steel.V.Bar with 10 hooks, UV lamp				
Package Size（W*D*H）	940*1090*1250mm	1240*1090*1250mm	1440*1090*1250mm	1640*1090*1250mm	1940*1090*1250mm
Gross Weight	150kg	190kg	225kg	265kg	300kg

Horizontal Laminar Flow Cabinet

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.
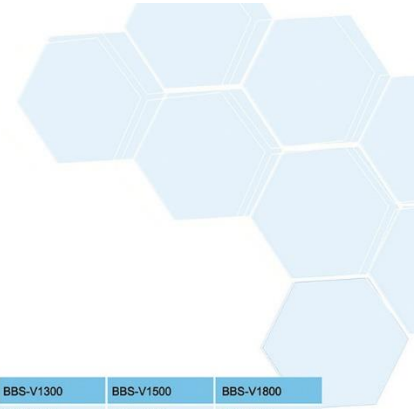
Gas Tap

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.

TECHNICAL PARAMETERS

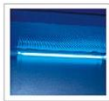| Model	BBS-H1300	BBS-H1800
External Size（W*D*H）	1300*820*2040mm	1800*820*2070mm
Internal Size（W*D*H）	1200*500*570mm	1700*500*570mm
Work Surface Height	750mm	
Display	LCD Display	
Airflow Velocity	Average of 0.3~0.5m/s	
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating	
	Work Table: 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	<65dB	
Front Window	Motorized	
Max Opening	430mm	
LED Lamp	12W*1	16W*2
UV Lamp	30W*1	30W*1
	Emission of 253.7 nanometers	
Consumption	400W	500W
Waterproof Socket	Two, total load≤500W	
Caster	Universal caster with leveling feet	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Standard Accessory	LED lamp, UV lamp*2, Base stand, Gas Tap, Waterproof socket*2	
	Water tap(only for BBS-H1800)	
Optional Accessory	Electric height adjustable base stand	
Gross Weight	254kg	328kg
Package Size(W*D*H)	1450*1060*1650mm	1950*1060*1600mm

ETL Certified Vertical Laminar Flow Cabinet

ADVANTAGE

1. ETL certified, Satisfy North American market.
2. With memory function in case of power-failure.
3. Audio and visual alarm(Abnormal airflow velocity).
4. Interlock function: UV Lamp and blower, LED Lamp.

TECHNICAL PARAMETERS

Model	BBS-V800	BBS-V1100	BBS-V1300	BBS-V1500	BBS-V1800
External Size(W*D*H)	800*700*(2090~2340)mm	1100*700*(2090~2340)mm	1300*700*(2090~2340)mm	1500*700*(2090~2340)mm	1800*700*(2090~2340)mm
Internal Size(W*D*H)	700*575*625mm	1000*575*625mm	1200*575*625mm	1400*575*625mm	1700*575*625mm
Work Surface Height	750~1010mm				
Max Opening	480mm				
Display	LCD Display				
Airflow Velocity	80~99fpm				
Material	Working area: 304stainless Steel				
	Main Body: 1.2mm Cold-rolled steel with anti-bacteria powder coating.				
	Front Window: Motorized,5mm toughened glass, anti-UV				
Pre-Filter	Polyester fiber				
HEPA Filter	One,99.995% efficiency at 0.3um				
Noise	≤67dB(A)				
Illumination	≥300lx				
Waterproof Sockets	One socket (Double type), America standard, Max.Power: 500W				
Power Supply	110V±10% 60HZ				
Consumption	750W	950W	950W	950W	1150W
UV Lamp	18W*1	30W*1	30W*1	40W*1	40W*1
LED Lamp	10W*1	14W*1	14W*1	18W*1	22W*1
Standard Accessory	Manually height adjustable base stand,LED lamp, UV lamp, wind speed sensor, waterproof socket				
Package Size (W*D*H)	940*970*1560mm	1240*970*1560mm	1440*970*1560mm	1640*970*1560mm	1940*970*1560mm
Gross Weight	190kg	230kg	265kg	280kg	320kg

UV Lamp
Emission of 253,7nanometers
For most efficient decontamination

Waterproof Socket
America Standard

Footmaster Caster
Universal caster with brake and leveling feet

Wind Speed Sensor
Direct measurement of wind speed

Vertical Laminar Flow Cabinet

BBS-DDC/BBS-SDC
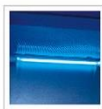
BBS-V680

BBS-V800

TECHNICAL PARAMETERS

Model	BBS-V680	BBS-V800	BBS-DDC	BBS-SDC
External Size (W*D*H)	680*410*1160mm	802*650*1550mm	1060*620*1850mm	1460*620*1850mm
Internal Size (W*D*H)	630*375*615mm	800*530*540mm	935*530*650mm	1335*530*650mm
Work Surface Height	/	660mm	750mm	750mm
Display	LED Display		LCD Display	
Airflow Velocity	Average of 0.3~0.5m/s, air speed adjustable		Average of 0.3~0.45m/s, air speed adjustable	
Material	Main Body: Cold-rolled steel with anti-bacteria power coating Work Table: 304 stainless steel(except model BBS-V680)			
Pre-Filter	Polyester fiber, washable			
HEPA Filter	99.999% efficiency at 0.3 μm			
Noise	<65dB			
Front Window	/	Manual, 5mm toughened glass, anti-UV		
Max Opening	/	490mm	400mm	400mm
Illuminating Lamp	Fluorescent lamp 8W*1	LED lamp 8W*1	LED lamp 12W*1	LED lamp 16W*1
UV Lamp	15W*1	18W*1	20W*1	40W*1
	Emission of 253.7 nanometers			
Consumption	160W	350W	150W	250W
Standard Accessory	Fluorescent lamp UV lamp*2 Water & gas tap	LED lamp UV lamp*2 Base stand	LED lamp UV lamp*2 Base stand	LED lamp UV lamp*2 Base stand
Optional Accessory	/	Electric height adjustable base stand		
Caster	/	Universal wheel with leveling feet		
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz			
Gross Weight	50kg	116kg	185kg	231kg
Package Size (W*D*H)	840*560*1380mm	960*800*1800mm	1240*900*1350mm	1640*900*1350mm

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

1. With memory function in case of power-failure.
2. 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	<65dB	
Front Window	Manual, 5mm toughened glass, anti-UV	
Max Opening	310mm	
UV Lamp	18W*1	30W*1
	Emission of 253.7 nanometers	
LED Lamp	12W*1	16W*1
Consumption	350W	600W
Caster	Universal caster with leveling feet	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Standard Accessory	LED lamp, UV lamp*2, Base stand	
Optional Accessory	Electric height adjustable base stand	
Gross Weight	150kg	186kg
Package Size (W*D*H)	1190*890*1340mm	1590*890*1340mm

Vertical Laminar Flow Cabinet

TECHNICAL PARAMETERS

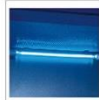| Model	BBS-V1300	BBS-V1800
External Size（W*D*H）	1300*820*2040mm	1800*750*2040mm
Internal Size（W*D*H）	1200*645*610mm	1700*645*610mm
Work Surface Height	750mm	
Display	LCD Display	
Airflow Velocity	Average of 0.3~0.5m/s	
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating	
	Work Table: 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	<65dB	
Front Window	Motorized	
Max Opening	430mm	430mm
LED Lamp	12W*1	16W*1
UV Lamp	30W*1	40W*1
	Emission of 253.7 nanometers	
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	LED lamp, UV lamp*2, Base stand, Gas Tap, Waterproof socket*2	
Optional Accessory	Electric height adjustable base stand	
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.

Horizontal Laminar Flow Cabinet

LCD Display

Microprocessor control system, LCD 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)	BBS-H1800(X)
External Size (W*D*H)	1100*808*1690mm	1500*808*1690mm	1800*808*1890mm
Internal Size (W*D*H)	1000*500*600mm	1400*500*600mm	1700*500*800mm
Work Surface Height	750mm		
Display	LCD Display		
Airflow Velocity	Average of 0.30~0.45m/s		
Material	Main Body: Cold-rolled steel with anti-bacteria powder coating		
	Work Table: 304 stainless steel		
	Side Windows: 8mm toughened glass, anti-UV		
Pre-Filter	Polyester fiber, washable		
HEPA Filter	99.999% efficiency at 0.3μm		
Noise	≤65dB(A)		
LED Lamp	12W*1	16W*1	16W*2
UV Lamp	18W*1	30W*1	18W*2
	Emission of 253.7 nanometers		
Consumption	200W	300W	400W
Waterproof Socket	Two, total load≤500W		
Caster	Universal caster with leveling feet		
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz		
Standard Accessory	LED lamp, UV lamp*2, Base stand, Waterproof socket*2, Hook*10		
Optional Accessory	Electric height adjustable base stand		
Gross Weight	175kg	216kg	255kg
Package Size(W*D*H)	1250*1050*1350mm	1650*1050*1350mm	1950*1050*1550mm

PCR Cabinet

PCR1000

**PCR800/PCR1200/
PCR1300/PCR1500**

LCD Display
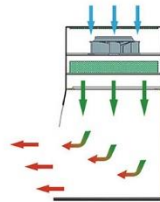LCD Display(not including PCR-1000,
PCR-1000's display is LED)

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. LCD display (LED display for PCR1000).
2. UV sterilization system.
3. HEPA filter efficiency 99.999% at 0.3μm.
4. With memory function in case of power-failure.
5. Interlock function: UV lamp only can be switched on when the front window is closed, ensuring operator safety.
6. UV timer (0-90 minutes): When the setting time expires, the UV lamp automatically switches off in preparation for the next experiment.

TECHNICAL PARAMETERS

Model	PCR800	PCR1000	PCR1200	PCR1300	PCR1500
External Size (W*D*H)	800*700*1770mm	1000*705*1770mm	1200*700*1770mm	1300*700*1770mm	1500*700*1770mm
Internal Size (W*D*H)	700*595*550mm	900*595*560mm	1100*595*550mm	1200*595*550mm	1400*595*550mm
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				
	Motorized	Manual	Motorized		
Max Opening	300mm	320mm	300mm	300mm	300mm
Pre-Filter	Polyester fiber, Washable				
HEPA Filter	99.999% efficiency at 0.3μm.				
Airflow Velocity	0.3-0.5m/s, speed adjustable				
Noise	≤65dB				
UV Lamp	20W*1	20W*2	30W*1	30W*1	40W*1
	Emission of 253.7 nanometers, with UV timer				
LED Lamp	8W*2		12W*2		
Illumination	≥350lx				
Shelf with IV Bar	Stainless steel, 502*150*50mm (W*D*H)				
Caster	Universal caster with leveling feet				
Consumption	400W	300W	600W	600W	600W
Waterproof Socket	Two, total load≤500W				
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz				
Standard Accessory	UV lamp, Fluorescent lamp, Base stand, Waterproof socket*2, Shelf with IV bar				
Optional Accessory	Electric height adjustable base stand				
Gross Weight	168kg	178kg	220kg	231kg	250kg
Package Size (W*D*H)	960*940*1450mm	1150*930*1450mm	1350*930*1450mm	1450*930*1450mm	1650*930*1450mm