



Class II A2 Biological Safety Cabinet



LCD Display

Large Digital LCD display is easy to monitor all the safety parameters at a glance and ergonomically sized control panel improves user interface.



Work Zone

Work zone is made of 304 stainless steel, is surrounded by negative pressure.



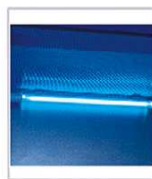
Waterproof Socket

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



Remote Control

All functions can be realized with it, making the operation much easier and convenient.



UV Lamp

Emission of 253.7 nanometers for most efficient decontamination.

ADVANTAGE

1. Small dimension, save space.
2. Centrifugal fan, speed adjustable; H14 HEPA filter.
3. Motorized front window: The front window is motorized for convenient, one-hand operation.
4. Audio and visual alarm: Abnormal airflow velocity, Filter replacement, Front window at unsafe height.
5. Time reserve function: This can save 30 minutes waiting time after activating the cabinet and the sterilization time after experiment.
6. Remote control: Each function can be realized 6 meters away from the cabinet by remote control, which can protect the operator under emergency.
7. Large LCD display: Operators can check detailed status of the cabinet, such as inflow and downflow velocity, work area temperature and humidity, filter pressure, UV working time and filter working time, filter life indicator etc.
8. With memory function in case of power-failure.

TECHNICAL PARAMETERS

Model	11231 BBC 86	
External Size(W*D*H)	700*650*1230mm	
Internal Size(W*D*H)	600*500*540mm	
Tested Opening	Safety height 200mm(8")	
Max Opening	370mm(15")	
Inflow Velocity	0.53±0.025m/s	
Down Flow Velocity	0.33±0.025m/s	
HEPA Filter	Two, 99.999% efficiency at 0.3µm. Filter life indicator	
Front Window	Motorized. Toughened glass. Anti UV.	
Noise	EN12469 ≤ 58dB / NSF49 ≤ 61dB	
UV Lamp	15W*1 UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination	
LED Lamp	8W*2	
Illumination	≥1000Lux	
Consumption	500W	
Socket	Two, total load of two sockets: 500W	
Display	LCD display	
Control System	Microprocessor	
Airflow System	70% air recirculation, 30% air exhaust	
Visual and Audio Alarm	Filter replacement, window over height, abnormal air flow velocity	
Material	Work Zone: 304 stainless steel. Main Body: Cold-rolled steel with anti-bacteria powder coating	
Work Surface Height	750mm with optional base stand	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Standard Accessory	LED lamp, UV lamp*2, Remote control, Waterproof sockets*2	
Optional Accessory	Base stand, Universal caster with brake and leveling feet, SS Water tap*1, SS Gas tap*1	
Gross Weight without Base Stand	Wooden Box: 164kg	Carton: 121kg
Gross Weight with Base Stand	Wooden Box: 196kg	
Package Size without Base Stand (W*D*H)	Wooden Box: 860*800*1450mm	Carton: 820*760*1430mm
Package Size with Base Stand (W*D*H)	Wooden Box: 860*960*1450mm	



NSF Certified Class II A2 Biological Safety Cabinet



Exhaust Thimble canopy(Optional)



Stainless Steel I.V. Bar with
10 hooks

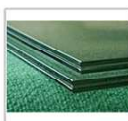


LCD display for BSC-4FA2-GL
and BSC-6FA2-GL



LCD display for BSC-4FA2-NA
and BSC-6FA2-NA

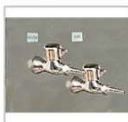
LCD Display
Large LCD display is easy to
monitor all the safety parameters
at a glance; and ergonomically
sized control panel improves
users interface.



Front Window
Two-layer laminated toughened
glass>5mm, anti UV



Footmaster Caster
Universal caster with brake and
leveling feet.



**SS Water Tap & Gas
Tap**



Waterproof Socket



Work Zone
Unibody design



UV Lamp
Emission of 253.7 nanometers
for most efficient decontamination.

ADVANTAGE

1. Motorized front window.
2. Large LCD display, all information displayed.
3. Automatic air speed adjustable with filter block.
4. With memory function in case of power-failure.
5. Side & back wall is made up of single piece stainless steel.
6. Interlock function: UV lamp and front window; UV lamp and blower, fluorescent lamp; Blower and front window.
7. Front 10°slanted to offer operator comfort while working for long time, reduce glare and maximize reach into the work area.

TECHNICAL PARAMETERS

Model	BSC-4FA2(4')	BSC-4FA2-GL(4')	BSC-6FA2-GL(6')	BSC-4FA2-NA(4')	BSC-6FA2-NA(6')
External Size(W*D*H)	1383*775*2295mm	1383*775*2295mm	1873*775*2295mm	1383*775*2295mm	1873*775*2295mm
Internal Size(W*D*H)	1210*600*660 mm	1210*600*660 mm	1700*600*660 mm	1210*600*660 mm	1700*600*660 mm
Work Surface Height	750mm				
Max Opening	550mm (22")				
Tested Opening	Safety height 200mm (8")				
Airflow	Inflow	462m³/h (272cfm)	587m³/h(346cfm)	824m³/h(485cfm)	587m³/h(346cfm)
	Downflow	65%: 863m³/h (507cfm)	60%:863m³/h(507cfm)	60%:1212m³/h(713cfm)	60%:863m³/h(507cfm)
Volume	Exhaust	35%: 462m³/h (272cfm)	40%:587m³/h(346cfm)	40%:824m³/h(485cfm)	40%:587m³/h(346cfm)
Front Window	Motorized. Two-layer laminated toughened glass ≥5mm. Anti UV.				
HEPA Filter	Two, 99.999% efficiency at 0.3um, filter life indicator				
Filter Guard Type	Aluminum alloy frame				
Noise	NSF 49s61dB / EN 12469s58dB				
Illumination	≥1000Lux				
Display	LCD Display				
Waterproof Socket	Two, Total consumption: ≤500W				
Tap	Water tap*1, Gas tap *1				
Ground Resistance	≤ 0.10Ω				
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz, Full load Amps: 9A, BTU/Hr: 1689				
Consumption	400W	400W	500W	400W	500W
Alarm	Abnormal airflow velocity; Filter replacement; Front window at unsafe height				
DC Motor	One ECM motor, 110V& 220V acceptable, Speed adjustable, high efficiency and low power consumption				
Material	Working area: 304stainless steel Frame and Decorative Plate: cold-rolled steel with anti-bacteria power coating.				
UV Lamp	30W	30W	40W	30W	40W
Germicidal UV lamp, Emission of 253.7 nanometers for most efficient decontamination					
Illuminating Lamp	18W*2	18W*2	22W*2	18W*2	22W*2
LED lamp					
Standard Accessory	Illuminating lamp, UV lamp *2, Base stand, SS water & gas taps, Drain valve, Waterproof sockets, Stainless Steel I.V. Bar with 10 hooks				
Optional Accessory	Armrest, Airflow tester, Formalin fumigation sterilizer,Infrared sterilizer, Electric height adjustable base stand, Remote control				
Package Size (W*D*H)	1540*1080*1900mm	1540*1080*1900mm	2020*1080*1900mm	1540*1080*1900mm	2020*1080*1900mm
Gross Weight	334kg	340kg	370kg	340kg	370kg



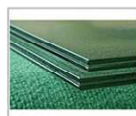
EN Certified Biological Safety Cabinet



LCD Display
Large LCD display is easy to monitor all the safety parameters at a glance; and ergonomically sized control panel improves users interface.



**Remote Control for
Convenient Operation**



Front Window
Two-layer laminated toughened glass>5mm, anti UV



SS Water tap & Gas tap



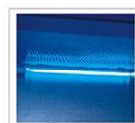
Work Zone
Unibody design



Footmaster Caster
Universal caster with brake and leveling feet.



Waterproof Socket



UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

ADVANTAGE

1. Large LCD display, all information displayed.
2. Automatic air speed adjustable with filter block.
3. With memory function in case of power-failure.
4. Side & back wall is made up of single piece stainless steel.
5. Interlock function: UV lamp and front window; UV lamp and blower, fluorescent lamp; Blower and front window.
6. Front 10° slanted to offer operator comfort while working for long time, reduce glare and maximize reach into the work area.

TECHNICAL PARAMETERS

Model		BSC-3FA2 (3')	BSC-4FA2(4')
External Size(W*D*H)		1087*775*2265mm	1383*775*2295mm
Internal Size(W*D*H)		910*600*660mm	1210*600*660mm
Work Surface Height		750mm	
Max Opening		520mm (21")	550mm (22")
Tested Opening		Safety height 200mm (8")	
Airflow Volume	Inflow	348m³/h (205cfm)	462m³/h (272cfm)
	Downflow	65%: 649m³/h (382cfm)	65%: 863m³/h (507cfm)
	Exhaust	35%: 348m³/h (205cfm)	35%: 462m³/h (272cfm)
Front Window		Manual. Two-layer laminated toughened glass ≥5mm. Anti UV	
HEPA Filter		Two, 99.999% efficiency at 0.3µm, filter life indicator	
Filter Guard Type		Aluminum alloy frame	
Noise		NSF 49≤61dB/EN 12469≤58dB	
Illumination		≥1000Lux	
Display		LCD Display	
Waterproof Socket		2, Total consumption: ≤500W	
Tap		Water tap*1, Gas tap*1	
Ground Resistance		≤ 0.10Ω	
Power Supply		AC230V, 50Hz	
Consumption		≤500W	≤600W
Alarm		Abnormal airflow velocity; Filter replacement; Front window at unsafe height	
AC Motor		One ECM motor, 230V acceptable, Speed adjustable, high efficiency and low power consumption	
Material		Working area: 304 stainless steel Frame and decorative plate: cold-rolled steel with anti-bacteria powder coating	
UV Lamp		18W	30W
		Germicidal UV lamp, Emission of 253.7 nanometers for most efficient decontamination	
Fluorescent lamp		21W*2	28W*2
Standard Accessory		Fluorescent lamp, UV lamp*2, Base stand, SS water & gas taps, Drain valve, Waterproof sockets, Stainless steel I.V. bar with 10 hooks	
Optional Accessory		Armrest, Airflow tester, Formalin fumigation sterilizer, Infrared sterilizer, Remote control, Electric height adjustable base stand, Motorized front window	
Package Size (W*D*H)		1220*1000*1840mm	1540*1080*1900mm
Gross Weight		270kg	334kg



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LCD Display
Large digital display is easy to monitor all the safety parameters at a glance and ergonomically sized control panel improves user interface.



Remote Control
All functions can be realized with it, making the operation much easier and more convenient.



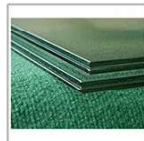
Air-Vent
Only for BSC-1100IIA2-X and BSC-1500IIA2-X



Work Zone
Work zone, made of 304 stainless steel, is surrounded by negative pressure.



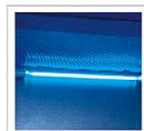
Footmaster Caster
Universal caster with brake and leveling feet.



Front Window
Two-layer laminated toughened glass > 5mm, anti UV



Foot Switch
Adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.



UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.



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

ADVANTAGE

1. Motorized front window.
2. Time reserve function.
3. HEPA filter life and UV life indicator.
4. Automatic air speed adjustable with filter block.
5. With memory function in case of power-failure.
6. Audio and visual alarm (Abnormal airflow velocity; Filter replacement; Front window at unsafe height).
7. Work area surrounded by negative pressure, it can ensure maximum safety in work area.
8. Audio and visual alarm (Filter replacement, window over height, abnormal air flow velocity etc).
9. Remote control: all functions can be realized with it, making the operation much easier and more convenient.
10. Interlock function: UV lamp and front window; UV lamp and blower, LED lamp; blower and front window.
11. Foot switch: adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.

TECHNICAL PARAMETERS

Model	BSC-1100IIA2-X	BSC-1300IIA2-X	BSC-1500IIA2-X	BSC-1800IIA2-X	BSC-2000IIA2-X
External Size(W*D*H)	1100*750*2250mm	1300*750*2250mm	1500*750*2250mm	1873*775*2290mm	1950*800*2170mm
Internal Size(W*D*H)	940*600*660mm	1150*600*660mm	1350*600*660mm	1700*600*660mm	1800*600*660mm
Tested Opening	Safety Height 200mm(8")				
Max Opening	420mm(17")	420mm(17")	500mm (20")	550mm(22")	400mm(16")
Inflow Velocity	0.53±0.025 m/s				
Downflow Velocity	0.33±0.025 m/s				
HEPA Filter	Two, 99.999% efficiency at 0.3µm. Filter life indicator.				
Front Window	Motorized. Two-layer laminated toughened glass ≥ 5mm. Anti UV.				
Noise	EN12469 ≤ 58dB / NSF49 ≤ 61dB				
UV Lamp	30W*1	30W*1	40W*1	40W*1	40W*1
	UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination.				
Illuminating Lamp	LED lamp				
	12W*2	12W*2	16W*2	16W*2	16W*2
Illumination	≥1000Lux				
Consumption	760W	800W	900W	900W	1500W
Waterproof Sockets	Two, total load of two sockets: 500W				
Display	LCD display: exhaust filter and downflow filter pressure, filter and UV lamp working time, inflow and downflow velocity, filter life, humidity and temperature, system working time etc.				
Control System	Microprocessor				
Airflow System	70% air recirculation, 30% air exhaust				
Visual and audio alarm	Abnormal airflow velocity; Filter replacement; Front window at unsafe height.				
Material	Work Zone: 304 stainless steel Main Body: Cold-rolled steel with anti-bacteria powder coating.				
Work Surface Height	750mm				
Caster	Footmaster caster				
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz				
Standard Accessory	LED lamp, UV lamp*2, Base stand, Remote control, Foot switch, Drain valve, Waterproof sockets*2				
Optional Accessory	Water and gas tap, Electric height adjustable base stand				
Gross Weight	243kg	280kg	316kg	395kg	420kg
Package Size(W*D*H)	1220*1000*1840mm	1460*1050*1800mm	1630*1000*1820mm	2000*950*1820mm	2090*1050*1860mm