IRIS ANALYTICAL

Biological
Safety Cabinets

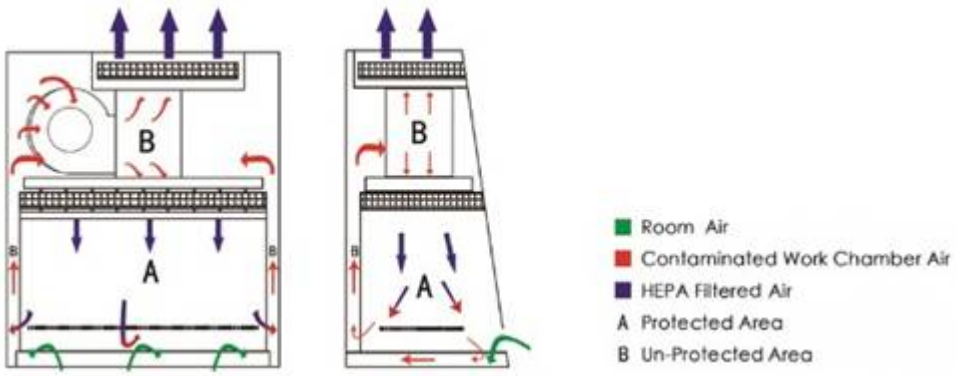


cs@irisanalytical.com | +1 706 760 4500 | www.irisanalytical.com

Iris A2 Biological Safety Cabinet Series offer personnel, product, and environmental protection to obtain optimum control over product quality while reducing the potential for exposure of both product and personnel to airborne biological or particulate chemical agents in low to moderate risk-hazard research and drug preparation.

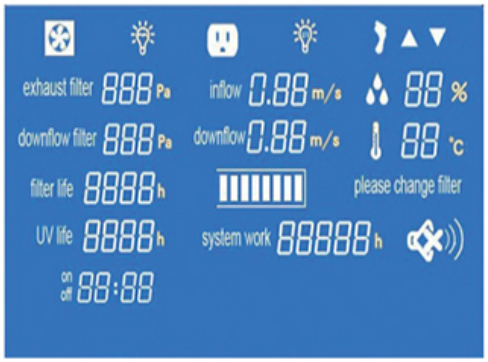
A2 Biological Safety Cabinet Series delivers maximum safety, comfort and convenience, featuring an advanced design for easy operation and maximum safety, it could be used wherever protection is of paramount importance in safety levels 1 to 3, including research, pharmaceutical quality control labs, pharmacies, clinics and hospitals.

- Motorized Front Window.
- Time Reserve Function.
- HEPA Filter life and UV Life indicator.
- Automatic air speed adjustable with filter block.
- Work area surrounded by negative pressure, it can ensure maximum safety in work area.
- Audio and visual alarm (Filter replacement, Window over height, abnormal Air flow velocity etc).
- Most accessories are standard. No need to pay more, save your money.
- Remote Control. All functions can be realized with it, making the operation much easier and more convenient.
- Foot Switch. Adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.
- Interlock Function: UV lamp and front window; UV lamp and blower, fluorescent lamp; Blower and front window.



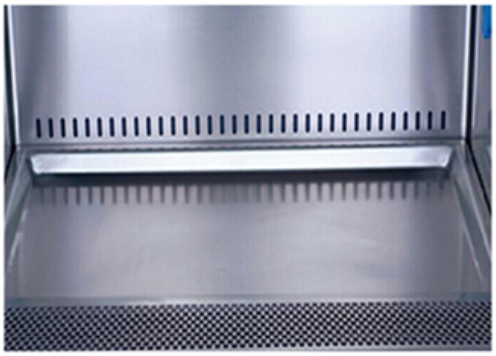
LCD Display

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



Work Zone

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



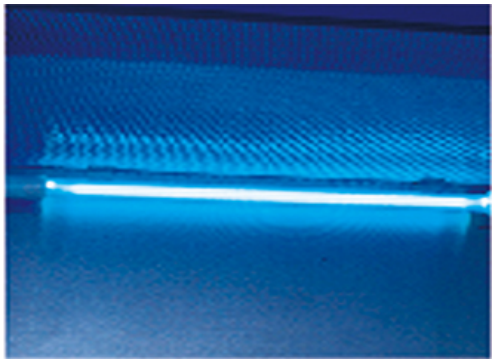
Remote Control

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



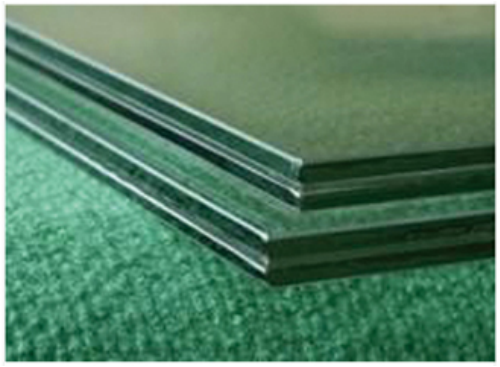
UV lamp

Emission of 253.7 nanometers for most efficient decontamination.



Front Window

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



Foot master caster

Universal caster with brake and leveling feet.

Adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm



Foot Switch

Adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm



Model	BC200A2-300		BC200A2-400		BC200A2-500		BC200A2-600		BC200A2-700	
Tested Opening	Safety Height 200 mm(8□□)									
Max Opening	420mm?17□□?		420mm?17□□?		400mm?16□□?		400mm?16□□?		400mm?16□□?	
Inflow Velocity	0.53±0.025 m/s									
Down-flow Velocity	0.33±0.025 m/s									
HEPA Filter	Two, 99.999% efficient at 0.3 um. Filter life indicator.									
Front Window	Motorized. Two-layer laminated toughened glass ? 5mm. Anti UV.									
Noise	EN12469 ? 58 dB / NSF49 ? 61 dB									
UV Lamp	30W*1		30W* 1		40W* 1		40W*2		40W* 1	
Decontamination	UV timer, UV life indicator, emission of 253.7 nanometres for most efficient decontamination.									
Fluorescent Lamp	21W*2		21W*2		28W*2		40W*2		40W*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	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 (mm)	750mm									
Caster	Foot master caster									
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz									
Standard Accessories	Fluorescent lamp,UV lamp*2 ,Base stand, Remote control, Foot switch, Drain valve, Waterproof sockets*2									
Optional Accessories	Water and gas tap									
Internal Dimensions	940x600x660 mm		1150x600x660 mm		1350x600x660 mm		1710x600x660 mm		1800x600x660mm	
External Dimensions	1100x750x2250 mm		1300x750x2250 mm		1500x750x2250mm		1870x750x2290mm		1950x800x2305mm	
Shipping Dimensions	1220x1000x1840 mm		1460x1050x1800 mm		1630x1000x1820 mm		2000x950x1820 mm		2090x1050x1860 mm	
Gross Weight	243 kg		280 kg		316 kg		395 kg		420 kg	
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	540050501	5400505012	540051001	540051002	540051501	540051502	540052001	540052002	540052501	540052502

A2 Biological Safety Cabinet BC200A2 Series

A2 Cabinet is suitable for work with microbiological research in the absence of volatile or toxic chemicals and radionuclide. Provides Three protection: operator, sample and environment.



- Airflow system: 70% air recirculation, 30% air exhaust
- Motorized Front Window.
- Time Reserve Function.
- HEPA Filter life and UV Life indicator.
- Automatic air speed adjustable with filter block.
- Work area surrounded by negative pressure, it can ensure maximum safety in work area.
- Audio and visual alarm (Filter replacement, Window over height, abnormal Air flow velocity etc).
- Most accessories are standard. No need to pay more, save your money.
- Remote Control. All functions can be realized with it, making the operation much easier and more convenient.
- Foot Switch. Adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.
- Interlock Function: UV lamp and front window; UV lamp and blower, fluorescent lamp; Blower and front window.

Model	BC200A2-372	BC200A2-455	BC200A2-534	BC200A2-677	BC200A2-712
Model	BC200A2-300	BC200A2-400	BC200A2-500	BC200A2-600	BC200A2-700
Model	BSC-1100IIA2-X	BSC-1300IIA2-X	BSC-1500IIA2-X	BSC-1800IIA2-X	BSC-2000IIA2-X
Internal Size (W*D*H)	940* 600*660 mm	1150*600*660 mm	1350*600*660mm	1710*600*660 mm	1800*600*660mm
External Size (W*D*H)	1100*750*2250mm	1300*750*2250mm	1500*750*2250mm	1870*750*2290mm	1950*800*2305mm
Tested Opening	Safety Height 200 mm(8□□)				
Max Opening	420mm?17□□?	420mm?17□□?	400mm?16□□?	400mm?16□□?	400mm?16□□?
Inflow Velocity	0.53±0.025 m/s				
Downflow Velocity	0.33±0.025 m/s				
HEPA Filter	Two, 99.999% efficient at 0.3 um. Filter life indicator.				
Front Window	Motorized. Two-layer laminated toughened glass ? 5mm. Anti UV.				
Noise	EN12469 ? 58 dB / NSF49 ? 61 dB				
UV Lamp	30W*1	30W* 1	40W* 1	40W*2	40W* 1
	UV timer, UV life indicator, emission of 253.7 nanometres for most efficient decontamination.				
Fluorescent Lamp	21W*2	21W*2	28W*2	40W*2	40W*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	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				
Caster	Foot master caster				
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz				
Standard Accessory	Fluorescent lamp,UV lamp*2 ,Base stand, Remote control, Foot switch, Drain valve, Waterproof sockets*2				
Optional Accessory	Water and gas tap				
Gross Weight	243kg	280kg	316kg	395kg	420kg
Package Size (W*D*H)	1220× 1000× 1840 mm	1460*1050*1800 mm	1630*1000*1820 mm	2000*950*1820 mm	2090*1050*1860 mm
Electrical Requirement					
Catalogue No.					



IRIS Analytical Inc.

cs@irisanalytical.com +1 706 760 4500 www.irisanalytical.com