

Biological Safety Cabinets



B2 Biological Safety Cabinet Series has higher class of safety protection compared with type A2, it may be used for work with volatile toxic chemicals and radionuclides as required as adjuncts to microbiological studies. Three protections: operator, sample and environment. Airflow system: 0 % air recirculation, 100% 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.
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1. **Work Zone:** Work zone, made of 304 stainless steel, is surrounded by negative pressure.
 2. **Remote Control:** All functions can be realized with it, making the operation much easier and more convenient.
 3. **UV lamp:** Emission of 253.7 nanometers for most efficient decontamination.
 4. **Front Window:** Two-layer laminated toughened glass >5mm, anti UV
 5. **Foot master Caster:** Universal caster with brake and leveling feet
 6. **Foot Switch:** Adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm
 7. **Waterproof Socket:** Two waterproof sockets are located in the side wall, for optimum convenience of using small devices inside the cabinet.
 8. **Exhaust Blower:** Centrifugal fan, speed adjustable.

Model	BC100B2-900		BC100B2-1100		BC100B2-1300		BC100B2-1600		
Tested Opening	Safety Height ?200 mm (8")								
Max Opening	420 mm (17")		420 mm (17")		500mm (20")		500mm (20")		
Inflow Velocity	0.53±0.025 m/s								
Down-Flow Velocity	0.33±0.025 m/s								
Pre-Filter	Washable								
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	NSF49?61dB / EN12469?58 dB								
UV Lamp	30W× 1		18W× 1		40W× 1		40W× 2		
Fluorescent Lamp	21W× 2		21W× 2		28W× 2		40W× 2		
Illumination	?1000Lux								
Consumption	700W		850W		900W		1200W		
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	0% air re-circulation, 100% air exhaust								
Visual and Audio Alarm	Filter replacement, window over height, abnormal air flow velocity.								
Exhaust Duct	4 meters PVC duct, Diameter:300mm								
Material	Work Zone: 304 stainless steel								
Work Surface Height	750mm								
Caster	Footmaster caster								
Power Supply	110/220V±10%, 60/50Hz (110V/60Hz is not applicable to BSC-1800IIB2-X)								
Standard Accessories	Fluorescent lamp, UV lamp*2 ,base stand, remote control, foot switch, exhaust blower,exhaust duct, drain valve, waterproof sockets*2, pipe strap*2.								
Optional Accessories	Water and gas tap								
Internal Dimensions	940x600x660 mm		1150x600x660 mm		1350x600x660 mm		1670x600x660 mm		
External Dimensions	1100x750x2250 mm		1300x750x2250 mm		1500x760x2250 mm		1820x750x2250 mm		
Shipping Dimensions - Main Body	1220x1000x1840mm		1460x1050x1800 mm		1650x990x1800 mm		1950x990x1950 mm		
Shipping Dimensions - Exhaust Blower	970x810x630 mm		970x810x630 mm		970x810x630 mm		970x810x630 mm		
Gross Weight (kg)	246 kg		276 kg		302 kg		408 kg		
Electrical Requirements	110V	220V	110V	220V	110V	220V	110V	220V	
Catalogue No.	540100501	540100502	540101001	540101002	540101501	540101502	540102001	540102002	

