Technical parameters

Model	BSC1000-II-A2	BSC1300-II-A2	BSC1600-II-A2	BSC1000-II-B2	BSC1300-II-B2	BSC1600-II-B2
Clean level	ISO 4					
Gas Density	500Pa pressure leak≤10% (within 30 minutes)					
Noise	≤65dB (A)					
Vibration	≤3 μ m					
Illuminance	≥800Lx					
Power supply	220V/50Hz					
Power (max)	750W (Excluding internal socket)			1500W (Excluding internal socket)		
Gas cycle mode	30% gas exhaust，70% gas circulation			100% gas exhaust		
Wind blowing	0.37m/s		0.34m/s	0.34m/s		
Inflow wind speed	0.55m/s			0.55m/s		
Net weight	200Kg	250Kg	300Kg	200Kg	250Kg	300Kg
Working area size (L×W×H) mm	625×1000×640	625×1300×640	625×1600×640	625×1000×640	625×1300×640	625×1600×640
Overall dimensions (L×W×H) mm	830×1100×2050	830×1400×2050	830×1700×2050	830×1100×2050	830×1400×2050	830×1700×2050
LED lamp	36W×1	36W×1	50W×1	36W×1	36W×1	50W×1
UV light	30W×1	30W×1	30W×1	30W×1	30W×1	30W×1

The flow velocity ratio between the injection airflow and descending one is the optimal ratio figured out by extensive tests and experiments for operator and product protection which achieves a complete balance of the product between safety and comfort.

*All the above testing methods are implemented in accordance with the industrial standard YY0569–2011.

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ATNT LABORATORIES

For health Be credible

BSC Series
Bio-safety Cabinet

It is widely adopted by the bio-safety protection and isolation devices in microbiology, biomedicine, biological and other laboratories, employs advanced air purification technology and negative-pressure body design, achieves protection of environment, operators and samples, and prevents diffusion of hazardous particulate matters and aerosol.

The BSC-II-A2 Bio-safety Cabinet series are Class-II A2-type products with 70% of gas circulation and 30% of gas exhaust.

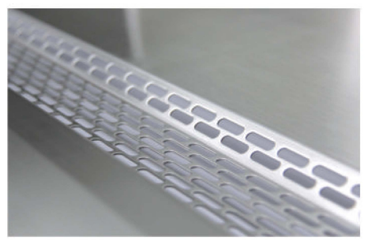
The BSC-II-B2 Bio-safety Cabinet series are Class-II B2-type products with 100% of gas exhaust and no internal circulation gas, offering biological and chemical safety control simultaneously.

Features

- It conforms to requirements relevant to Class-II Bio-safety Cabinet in YY0569-2011 Standard of CFDA (China Food and Drug Administration) and NSF/ANSI 49 Standard of the United States.
- The figure design of 10-degree inclination is in line with principles of ergonomics, which improves comfort level and lowers work fatigue.
- The design of four-side negative-pressure pathway avoids diffusion of hazardous gases and aerosol, making it more safe and reliable.
- The design of vertical laminar flow and negative-pressure air-curtain isolation effectively avoids the leakage that is likely to occur to front window gaps, guaranteeing complete protection of environment, operators and samples and preventing cross contamination.
- The visible front window adopts 6mm-thick tempered glass, which is anti-explosion and ultraviolet-proof, with no reflection of light.

BSC Series
Bio-safety Cabinet

- The sliding front window employs suspended elevation system, and can be elevated and located flexibly, with reliable performances and no need for maintenance. Its closing and sealing will be in favor of the sterilization treatment.
- The working area fully adopts 304 SS materials and arc angle design inside, without any dead corner for cleaning.
- It adopts EBM Fan imported from Germany, which features low noise and large air flow.
- It adopts Camfil High-efficiency Filter imported from Sweden, by which the grade 100 can be achieved at the working area, and the filter efficiency exceeds 99.995%.
- It adopts DegreeC Air Velocity Transducer imported from the United States, which carries out real-time measurement of air velocity intelligently, and shows data accurately and promptly.
- The automatic air flow compensation system ensures the variation of air flow to be limited below 10% in case the filter resistance is increased by 50%, guaranteeing stable running.
- The UV light has the function of timing presetting, and can realize timed start-up and strengthen efficiency.
- The sliding front window, illuminating system and UV sterilization system are capable of safety interlocking so as to prevent maloperation.
- The control system adopts LCD screen and displays real-time descending air velocity, air velocity at the suction inlet, service life of filter, jam warning, fan operation status and fault warning, and continuously monitors and shows parameters like running time of the machine set.



Comprehensive and strict tests prior to delivery out of factory

Wind Velocity Indicator

Aerosol Generator

Particle Counter

Micro Differential Pressure Gauge

Cap-type Air Flow Cover

Aerosol Photometer

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Vibration Tester

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