

## Biological Safety Cabinet

(A2/B2)



### Product Structure

#### 1. Cabinet Body

Constructed from premium stainless steel or steel plate, offering excellent corrosion resistance and structural strength.

#### 2. Front Window Access Panel

Sliding or liftable transparent glass window for convenient operation and observation.

#### 3. Work Surface

Made from chemically resistant, high-temperature tolerant, and easy-to-clean materials.

#### 4. Air Handling System

High-performance fan ensures stable airflow supply.

#### 5. Air Filtration System

Primary Filter: Captures larger dust particles and impurities.

HEPA Filter/ULPA Filter: Removes fine particles, bacteria, viruses, etc.

#### 6. Control System

Power switch, fan speed control button, lighting switch, alarm indicator lights, etc.

#### 7. Negative Pressure System

Maintains negative pressure within the work area to prevent contaminant leakage.

### Technical parameters:

Product Type	A2 Biosafety Cabinet B2 Biosafety Cabinet		A2 Biosafety Cabinet B2 Biosafety Cabinet	
Cleanliness Level	A2-1000G(D) )	A2-1300G(D) )	B2-1000G(D) )	B2-1300G(D) )
Average Inflow Velocity	International ISO 14644-1 Standard CLASS 5 (Federal Standard 209E, Class 100)			
Average Downflow Velocity	0.53m/s		0.56m/s	
Downflow Control Accuracy	0.35m/s			
Product Type	±0.015m/s			
Noise (dB)	≤65			
Vibration RMS	≤3μm (X, Y, Z directions)			
High-effici	The G Series is equipped with ULPA ultra-high-efficiency			

ency filter	particulate air filters, achieving 99.995% efficiency; The D Series is equipped with HEPA high-efficiency particulate air filters, achieving 99.99% efficiency.			
Illuminance (Lx)	≥650			
Differential Pressure Display Range (Pa)	0~500			
Work Environment	Ambient temperature: 10–30 °C Relative humidity: Below 70% No significant vibration or dust present in the surrounding environment			
External Dimensions (mm) (Height × Width × Depth)	2060×1130×770	2060×1430×770	2220×1190×755	2210×1490×755
Studio Dimensions (mm) (Height × Width × Depth)	660×960×540	660×1260×540	650×945×600	650×1245×600
Power Supply	Single-phase AC 220V/50Hz			

Voltage				
Rated Power (W)	300	350	300	350
Net Weight (kg)	175	210	175	210
Shipping Weight (kg)	195	235	195	235
Package Dimensions (mm) (Height × Width × Depth)	1720×1290×1110	1720×1590×1110	1720×1290×1110	1720×1590×1110

