

# Class II A2 Biological Safety Cabinet



Biological Safety Cabinet



**7" LCD Touch Screen**  
(Real-time monitoring and display Front window status/Air velocity/Date/Time/Temperature/Filter and UV lamp life/System working status etc.)

**Air Velocity Sensor**  
(Real-time monitoring and display air velocity and precise control.)

**Removable Work Zone, 304 Stainless Steel.**  
(User friendly design:Easy to pull out, convenient for cleaning and disinfection. )

**Foot Switch (Standard)**

**Waterproof Socket (IP54)**

**Optional Upgrade LED Lamp**

IEC  
RG0 Without Blue Light

Anti-Glare Eye Protection

Ra98 High Color Rendering Index

**Gas Tap (Optional)**      **Water Tap (Optional)**

**IV Bar With Hooks (Optional)**

## Specification

Model		AST-AST-BSC-IIA2-2F
Internal Size (W×D×H)		610×550×600mm
External Size (W×D×H)		710×760×1430mm (Without basestand), 710×760×2050mm (With basestand)
Max.Opening		370mm
Work Surface Height		750mm
Control System	Display	7"LCD touch screen
Control System	Alarm	Abnormal airflow velocity, HEPA filter failure, UV lamp failure, Front window at unsafe height
Airflow System	Airflow Mode	70% air recirculation, 30% air exhaust
	Downflow Velocity	0.35m/s±0.025m/s
	Inflow Velocity	0.52m/s±0.025m/s
	Inflow Air Volume	240m³/h (141CFM)
	Downflow Air Volume	560m³/h (330CFM)
Air Filtration System	HEPA Filter	2pcs H14 HEPA filter, ≥99.995% efficiency at 0.3µm
	Cleanliness Grade	Class 100 (ISO14644.1 Class 5)
Cabinet Construction	Main Body	Electro-galvanized steel with antimicrobial Powder Coating
	Work Surface	304 stainless steel
	Front Window	Motorized, toughened glass
Electrical System	UV Lamp	15W×1 (Emission of 253.7 nanometers for most efficient decontamination,UV life indicator, UV timer)
	LED Lamp	10W×2
	Max.Consumption	350W (Not include socket consumption)
	Power Supply	AC220V±10%, 50/60HZ; 110V±10%, 60Hz
Illumination		≥900Lux
Sound Emission		≤65dB(A)
Vibration of Work Surface		≤2µm
Standard Accessory		1.Air Velocity Sensor; 2.LCD Touch Screen; 3.LED Lamp×2; 4.UV Lamp×1; 5.Explosion-Proof/Waterproof Socket×1; 6.Motorized Front Window; 7.Footmaster Caster; 8.Foot Switch; 9.Removable shallow-plate stainless steel work surface
Optional Accessory		1.Base Stand; 2.Gas Tap; 3.Water Tap; 3.Pressure Sensor; 4.IV Bar With Hooks; 6.ULPA Filter; 7.Upgraded LED Lamp
Net Weight		130kg (Without base stand), 140kg (With base stand)
Gross Weight		165kg (Without base stand), 175kg (With base stand)
Shipping Size (W×D×H)		850×990×1640mm
Shipping Volume		1.4 m³

## Advantage

- UV sterilization function and timing function can be set by appointment.
- Motorized front window, double protection from control limit and travel limit,ergonomic 10° tilt Angle, improve the operation comfort.
- With memory function in case of power-failure.
- Work area surrounded by negative pressure, prevent leakage,improve Biosafety.
- Audio and visual alarm (Abnormal airflow velocity, HEPA filter failure, UV lamp failure, Front window at unsafe height).
- Interlock function: UV lamp and front window; UV lamp and blower, LED lamp; blower and front window.
- Standard with foot switch: adjust front window to up and down, to avoid airflow turbulence caused by arm movement.
- Optional upgraded LED lamp.



(With Optional Base Stand)