EC Series Class II B2 Biological Safety Cabinet

Color Touch Screen
Touch operation, real-time and clearer display of various values and appointment timing function.

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.

Wind Speed Sensor & EC Fan

Footmaster Caster
Universal caster with brake and leveling feet.

Stepper Motor and Handle
The front window can be controlled manually or electrically

Cabinet Support Block
Easy to lift, prevent hand pressing

Iron hook support rod for panel support

UV Lamp
Emission of 253.7 nanometers for most efficient decontamination.

ADVANTAGE

1. 7-inch touch color display screen: touch operation, real-time more clear and dynamic display of various values of the safety cabinet, and has the function of appointment timing.
2. The power-on password can be set to prevent unrelated personnel from mis-operation.
3. Automatically adjust the wind speed.
4. With power-off memory function, the state before power-off will be restored after power-on, and there will be visual prompts and alarms.
5. The integrated design of the operation area makes it easy to disassemble and clean.
6. The working area is equipped with a wind speed sensor to detect the wind speed in real and real time.
7. It can be used manually or electrically, and the front window can be closed by pulling down the glass door when the power is off.
8. The cabinet is separated from the base. The height of the adjustable base can be customized.
9. Interlocking function: UV lamp and front window; UV lamp and fan, LED lamp; fan and front window.
10. It has the function of appointment timing, which can automatically set the time of starting and shutting down the safety cabinet and the running time of ultraviolet lamps, fans and sockets.
11. The front window closes the double trigger signal, so that the sterilization and disinfection function of the ultraviolet lamp is normally turned on.
12. The negative pressure air duct is equipped with a foreign matter filtering structure to prevent foreign matter such as paper scraps from entering the fan system and affecting the normal operation of the product.
13. The front window glass has a one-key lift function
14. The cabinet is designed with a 10° inclination angle, which is in line with ergonomic principles, has a larger viewing angle, is easy to operate and is more user-friendly.

TECHNICAL PARAMETERS

Model		EB2-3F	EB2-4F	EB2-5F	EB2-6F
External Size （W*D*H）		1100*800*2250mm	1300*800*2250mm	1500*800*2250mm	1800*800*2250mm
Internal Size （W*D*H）		940*600*660mm	1150*600*660mm	1350*600*660mm	1625*600*660mm
Tested Opening		Safety height 200mm （8")			
Max Opening		460mm			
Inflow Velocity		0.53±0.025m/s			
Downflow Velocity		0.33±0.025m/s			
ULPA Filter		Two, 99.9995% efficiency at 0.12μm, filter life indicator			
Front Window		Manual and electric. Tempered glass≥5mm. Anti UV			
Noise		≤65 dB			
UV Lamp		30W*1	30W*1	40W*1	40W*1
		UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination			
LED Lamp		12W*2	14W*2	16W*2	16W*2
Illumination		≥1000Lux			
Consumption		800W	850W	1300W	1300W
Waterproof Socket		Two, total load of two sockets: 500W			
Display		LCD display: exhaust filter and downflow filter pressure, filter and UV lamp working time, inflow and down flow velocity, filter life, humidity and temperature, system working time etc.			
Control System		Microprocessor			
Airflow System		0% air recirculation, 100% air exhaust			
Visual and Audio Alarm		Filter replacement, window over height, abnormal air flow velocity, high filter pressure, abnormal power failure			
Material		Work Zone: 304 stainless steel			
		Main Body: Cold-rolled steel with anti-bacteria powder coating			
Work Surface Height		770mm (Can be customized)			800mm (Can be customized)
Caster		Footmaster caster			
Power Supply		AC220V 50/60Hz; 110V 60Hz			
Standard Accessory		LED lamp 2pcs, UV lamp 2pcs, Base stand, Foot switch, Drain valve, Waterproof sockets 2pcs, EC Fan, Exhaust blower, Exhaust duct, Remote control			
Optional Accessory		Water and gas tap, Electric height adjustable base stand, Armrest			
Gross Weight		296kg; 52kg	329kg; 64kg	366kg; 64kg	431kg; 64kg
Package Size	Main Body	1230*1060*1840mm	1430*1060*1840mm	1630*1060*1840mm	1930*1060*1840mm
	Exhaust Blower (W*D*H)	930*800*700mm	930*860*740mm	930*860*740mm	930*860*740mm