EC Series Class II A2 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.

Wind Speed Sensor & EC Fan

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

Iron hook support rod for panel support

Foot Switch
Adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.

Footmaster Caster
Universal caster with brake and leveling feet.

Cabinet Support Block
Easy to lift, prevent hand pressing

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	EA2-3F	EA2-4F	EA2-5F	EA2-6F	EA2-7F
External Size（W*D*H）	1100*800*2200mm	1300*800*2200mm	1500*800*2200mm	1800*800*2200mm	1950*800*2250mm
Internal Size（W*D*H）	940*600*660mm	1150*600*660mm	1350*600*660mm	1625*600*660mm	1800*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	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	12W*4
Illumination	≥1000Lux				
Consumption	600W	800W	1300W	1300W	1700W
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 downflow velocity, filter life, humidity and temperature, system working time etc.				
Control System	Microprocessor				
Airflow System	70% air recirculation, 30% 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, Remote control				
Optional Accessory	Water and gas tap, Electric height adjustable base stand, Armrest				
Gross Weight	284kg	316kg	355kg	420kg	455kg
Package Size（W*D*H）	1230*1060*1840mm	1430*1060*1840mm	1630*1060*1840mm	1930*1060*1840mm	2080*1060*1840mm