



## 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.



**Iron hook  
support rod  
for panel  
support**



**Support Hook**  
The countertop  
can be raised  
for easy cleaning  
of the collection tank



**Cabinet  
Support Block**  
Easy to lift, prevent  
hand pressing



**Anti-paper  
dust  
structure**



**Wind Speed  
Sensor  
& EC Fan**



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



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



**Remote Control**  
All functions can be realized with it,  
making the operation much easier  
and more convenient.



**UV Lamp**  
Emission of 253.7 nanometers for most  
efficient decontamination.



**Footmaster Caster**  
Universal caster with brake and leveling  
feet.

## ADVANTAGE

1. 7-inch large touch color display: touch operation, real-time and clearer display of various values of the safety cabinet, dynamic air flow pattern diagram, fault alarm sound and light prompt.
2. The power-on password can be set to prevent mis-operation by irrelevant personnel.
3. Automatically adjust the wind speed.
4. Power-failure memory, restore the state before power-failure, and have a visual reminder to alarm.
5. Interlocking function: UV lamp and front window; UV lamp and fan; fan and front window.
6. It has an appointment timing function, which can automatically set the timing of turning on, turning off and the running time of the UV lamp, fan, and socket.
7. The rear of the operating area is equipped with anti-paper dust structure to prevent paper scraps from entering the air duct cavity.

## 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<br>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; 58kg                                                                                                                                                                               | 329kg; 63kg      | 366kg; 63kg      | 431kg; 72kg               |
| Package Size           | Main Body                                                                                                                                                                                 | 1230*1060*1840mm | 1430*1060*1840mm | 1630*1060*1840mm          |
|                        | Exhaust Blower (W*D*H)                                                                                                                                                                    | 930*800*700mm    | 930*860*740mm    | 930*860*740mm             |