

Biohazard Safety Cabinet, 2 peoples



Product Introduction

BE-SC-P2-03 IIA₂ Biohazard safety cabinet is negative pressure safety equipment which is widely applicable in microbiology, biomedicine, genic recombination, zoopery and biological. It is the basic safety protect equipment in laboratory biologic safety class one protect barrier which adopts advanced air clean technology and negative pressure cabinet design to achieve the protection for environment, person and sample.

Airflow:

Imbided air is combined with air in cabinet by the drive of the built-in fan and enter the static pressure box. 30% of air is exhausted through HEPA and 70% of air is sent to operation area for circulation.

Applicable Scope:

BE-SC-P2-03 IIA₂ Biohazard safety cabinet is a negative pressure draft cabinet which adopts ULPA and negative pressure cabinet structure. It is applicable in laboratory whose biologic safety class 1 to 3 for experiment of biohazard group 2-3. It is applicable in biologic experiment which the additive is microcrystalline volatility poisonous chemical substances or capacitated radioactive nuclide.

Product Structure:

BE-SC-P2-03 IIA₂ Biohazard safety cabinet is composed by cabinet case, bracket, fan, ULPA and control system. The case is made of 1.5mm thin cold-roll plate, and the chamber and the reservoir are made of SUS304 stainless steel plate. The double layers structure between the chamber and the ektexine of the cabinet is the air duct. The fan adopts imported fan, and it composes the air cycle

system with ULPA and negative pressure air duct. And a whole system of safety cabinet is composed under the control system composed with microcomputer CMOS chip controlled.

Product Feature:

- Fission type structure which is composed by cabinet and rack. Dismountable rack, moveable truckles and balance adjust guide screw are convenient for convey and orientation;
- Wide LCD screen which can displays various parameters, supplies the user all-wave equipment running state and safety hidden trouble caution;
- Intelligent constant wind speed technology with the functions of automatic follow and output adjustment control that can overcome the pressure fluctuation caused by fluctuation of power supply and change of filter resistance to ensure biohazard safety;
- It adopts the wind speed sensor and the differential pressure sensor imported from USA which have sensitive response and high accuracy to measure the wind speed flux and the differential pressure value effectively and measure and control the working state of cabinet real-time;
- Filter pre-invalidation and dilapidation alarm technology, when filter draws near invalidation or has been invalidated and wind resistance enhances and filter is dilapidated, control circuit can alarm with sound and light automatically to give user a caution to take steps;
- UV light accords with industry standard, floodlight interlock, sound and light alarm of safe height of window and auto-stop device of front window closed, that can protect the user effectively;
- Application of ULPA, the filtration efficiency to atom, smog and oth dust which is 0.1-0.2 μ m can be reached over 99.999%;
- Front window meets the design of 10° incline of the principle of human engineering, weakens the dazzle and makes the user more comfort;
- Front window glass which has non-glisten membrane tectoria, has the function of anti-explosion, anti-break and anti UV radiation;
- Chamber adopts SUS304 stainless steel material with arc angle which is convenient to clean the hangover in dead angle;
- Moveable SUS304 stainless steel operation table-board which is firm, fast and easy for clean;
- Two AC sockets with anti-splash protection cover and the water valve and the air valve are convenient for user;
- EBM a centric fan imported from Germany whose use life is longer, makes the wind speed stronger and more steady;
- Equipped with the reservoir below the table-board, the lower is a blow down valve which is easy for clean and let out;
- Discharge air mantle and discharge air conduit are optional components for letting air outdoor to meet the requirement of use.

Technical Parameters:

Feature of display and control: LCD screen, displays wind speed and pressure

Suitable number of people: Two people

Cleanliness: Class100 (Fed209E) $\geq 0.5/\mu\text{m} \leq 3.5/\text{L}$

Inflow airflow velocities: 0.56m/s

Down airflow velocities: 0.35m/s