

horizontal laminar flow workstation with hepa filter and uv lamp

Horizontal laminar flow workstation is specially designed for drug preparation, aseptic operation and other high cleanliness requirements of the environment, applicable to the field of hospital pharmacy (PIVAS).

Horizontal laminar flow workstation provides clean air for the operation area by means of horizontal airflow, which is widely used in the preparation of medicine, chemical reagent mixing and other dust-free operation environment to ensure the cleanliness of products and the safety of operators.

Features of Horizontal Laminar Flow Workstation

1. high efficiency air filtration: Equipped with high efficiency filter without partition, the filtration efficiency of 0.3um diameter particles is up to 99.995%, which effectively filters fine dust, bacteria and viruses in the air and ensures the cleanliness of the working area.
2. four-side positive pressure design: the work area adopts four sides, left and right sides, top and bottom, positive pressure surround design, forming a clean airflow to protect the product and operation area, to avoid the entry of external pollutants.



3. Intelligent wind speed control: Equipped with wind speed sensor and intelligent constant wind speed design, real-time monitoring and automatically adjust the fan speed to ensure that the wind speed is constant at 0.35m/s. The wind speed information is displayed on the LCD intelligent screen, which is easy for the operator to view in real time.
4. intelligent interlock function: UV lamps and fans, fluorescent lamps interlock, only in the fan and fluorescent lamps work normally, the UV lamp can be opened to protect the safety of operators.
5. high-quality materials and structure: shell using cold-rolled steel, electrostatic spraying on the surface, not only to enhance the structural strength, and has good corrosion resistance. The worktable is made of stainless steel, easy to clean and corrosion-resistant.
6. ergonomic design: top air inlet embedded lighting design to reduce direct light on the eyes, the overall design of the equipment is ergonomic, mute design to ensure operator comfort.

Advantages of Horizontal Laminar Flow Workstation

1. high efficiency and cleanliness: the use of advanced non-compartmentalized high-efficiency filtration technology, to provide a high degree of air cleanliness, can effectively inhibit the contamination of small particles and bacteria.
2. intelligent control: real-time monitoring and adjustment of wind speed function, according to the need to automatically adjust the speed of the fan to ensure that the working area of the wind speed is constant, to enhance the stability of the operating environment.

3. enhance operational safety: intelligent interlock design ensures that the UV lamp is only turned on in a safe state, to protect the operator from UV damage.
4. high durability: the use of stainless steel and cold-rolled steel plate and other high-quality materials, the equipment is not only structurally sound, and has a strong corrosion resistance and long service life.
5. humanized design: embedded lighting to reduce eye fatigue, mute design to enhance the comfort of the operating environment, suitable for long hours of work.
6. wide range of applications: suitable for aseptic and clean environment for all types of operations, drug preparation and laboratory operations.

Working Principle

The working principle of horizontal laminar flow workstation is to inhale the air through the top and both sides of the high-efficiency air filters and filter it, after passing through the high efficiency filter without partition, the clean air flows horizontally to the operation area. The positive pressure design in the working area forms an airflow barrier to prevent the entry of external pollutants. The equipment is equipped with a wind speed sensor to monitor and adjust the wind speed in real time to ensure a constant wind speed to achieve clean results.

Model	CB20
Type	single-sided, two-person
External Dimensions	1800x780x1980mm
Internal Dimensions	1700x540x745mm
Filter Dimensions	700x860x69mm, two pieces
Airflow Velocity	0.30 to 0.37 meters per second
UV Lamp Power	30Wx1
LED Daylight Lamp Power	22Wx1
Height from Work Surface to Floor	800 meters
Noise Level	≤65dB
Safety	colony count ≤0.5CFU per 30 minutes
Illumination	≥300LX
Weight	220kg