Article Side

Bio Safety Cabinet & Its Classification

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Weiber manufactures Bio safety cabinets Class 100 and Class 10000 since 1990 in India. Its purpose is to serve contamination free environment using HEPA (high efficiency particulate arresting) which removes all pathogens. It is used for many applications in the field of Research, pharmaceutical, healthcare research, agriculture, basic and applied science.

Our Bio safety cabinets are designed to provide personnel, environmental and product protection when appropriate practices and procedures are followed. Itâ€™s a primary containment devices used in laboratories working with infectious agents (bacteria or viruses). They act as primary barriers to prevent the escape of biological aerosols into the laboratory environment. This is an important function, because most laboratory techniques (e.g., pipetting, vortexing, sonicating) are known to produce inadvertent aerosols that can be readily inhaled by the laboratory worker. It provide safe and contamination free work space for safe manipulation of moderate and high risk infectious agents [Bio safety level 2(BSL 2) and Bio safety level 3(BSL 3) agents].Our Instrument is provided with adequate illumination, greater than 800 lux by means of fluorescent light. Noise level is maintained minimum less than 60 db.

Three kinds of biological safety cabinets, designated as Class I, II and III, have been developed to meet varying research and clinical needs.

Bio safety Cabinet Class I

Itâ€™s designed for personal and environmental protection from hazardous substances and other contaminations employed in clinical, medical, life science, research and pharmaceuticals. It works on the principle of negative pressure generation. The exhausted air is filtered through High efficiency perfect air filter before disbursing in an environment.

Bio safety Cabinet Class II

This instrument is for personnel, environmental and product protection. It has an open front design with negative pressure generation module. Our instrument provides recirculation of mass flow through HEPA filters. The equipment has microprocessor based controllers with digital display of all key parameters. The HEPA filter in the class II cabinet protects the environment by filtering air before it is exhausted. It is portable and easy to operate.

Bio safety Cabinet Class III

This instrument is for personnel, environmental and product protection .Our instrument is designed for maximum containment laboratories. Itâ€™s specifically designed for the work use with the high risk biological agents BSL-4.The cabinet provides access for passage of material inside through a double door pass through box. Itâ€™s also operated under negative pressure of 0.5â€™â€™.The fresh air supplied specially designed HEPA filters. The exhausted air is passed through two modules of HEPA filters, which are strategically placed in series. The air passed through two filters before being discharged in the environment.

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Rodsi Bhatia writes for business products and other laboratory equipments. You can find more information about a Laminar Airflow and a Clean Room Equipment, a Bio safety Cabinet Class I Please log on to cleanroom-equipments.com

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