



Single HEPA Exhaust



Double HEPA Exhaust

Aeromech™ Class III Biosafety Cabinet is totally enclosed and gas-tight, it also can meet the requirement of operating Class I, II, III, IV pathogenic factor. It can be used in BSL-2, BSL-3, BSL-4 laboratory.

Work is performed with enclosed long-sleeved gloves that connected with Biosafety Cabinet. The cabinet is kept under negative pressure of at least 120 Pa. Supply air is filtered through high-quality filters before enter to the cabinet. Exhaust air is double-filtered through high-quality filters before enter to outdoor. Experimental article passes through the safety cabinet from two-door delivery box to ensure that it is not be contaminated. It is suitable for high-risk biological testing.

Class III Biosafety Cabinet are designed to protect the operator, the laboratory environment and work materials. It can avoid the operator to contact with potentially infectious aerosols and spills when operating pathogenic factor test materials. It is the necessary equipment in the laboratory in the search of microbiology, biomedical, DNA recombinant, animal experiment, and biological products, especially in the occasion that operator need to adopt protective measure, such as medical and health, pharmacy, medical research. Our equipment provides a safety working environment which don't have bacterial and dust in the process of bacterial culture.

Features:

- The glove is made up of neoprene rubber, more wear resistance and anticorrosion. Each glove need to be strictly porosity testing. The design of the gloves is not only for the easy changing but also for the safety function.
- The design of the cabinet agrees with the human body engineering. Its front glass window could decrease the light reflection. All this could increase the operator's comfortable.
- The work area is made up of the 304 stainless steel, easy to clean. There is collecting tank under the worktop for the waste liquor. One drain valve under collecting tank and it's convenient for cleanliness.
- Dual series of sewage valve design, more secure, easy to discharge the waste of internal operation.
- Built-in fluorescent lamp and UV lamp. The illumination intensity is fit for the sight. The location of the UV lamp is convenient for the sterilization of the work area.
- It adopts imported blower. Lower noise, stable performance and high efficiency.
- Perfect welding of the main body to protect the sealing performance and supply higher safety protection to the operator, sample and environment.
- The pass box adopts interlock structure. There is UV lamp inside to protect the safety of the samples in the course of passing.

Specifications :

Model No	ABS 900 C3X*	ABS 1200 C3X*	ABS 1800 C3X*
External dimension	W 1540× D 880× H 2000 mm	W1840× D 880× H 2000mm	W 2440×D 880× H2000 mm
Internal dimension	900×600×600 mm	1200 ×600×600 mm	1800 ×600×600 mm
Pre-filter	Polyester fiber, washable		
Negative work zone pressure	≥ -120 Pa		
HEPA Filter Air supply	99.999% efficiency at 0.3µm		
HEPA Filter First Exhaust	99.999% efficiency at 0.3µm		
HEPA Filter Second Exhaust	99.999% efficiency at 0.3µm		
Noise	NSF 49 ≤61 dB/EN 12469≤48 dB		
number of gloves port	2		
Gloves type	One pair of 800 mm butyl or Neoprene rubber gloves		
Front Window	5 mm toughened glass, anti-ultraviolet radiation		
Pass Box Internal dimension	430×330×355 mm		
Pass Box External dimension	575×425×495 mm		
Alarm	Audio and visual alarm, abnormal pressure; filter replacement (Optional)		
Work Zone Material	IS 304 stainless steel		
Illumination	≥ 1000 lux		
Power consumption	1300 W		
LED lamp	16 W × 2		
UV lamp	30W×2, 8W×1, Emission of 253.7 nm for most efficient decontamination		
Power Supply	AC220 V±10% ,50 Hz;		

X Denotes MOC like G- Galvanised Iron or S – Stainless Steel Construction

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