

Class III Biosafety Cabinet FM-BSC-A300



Description :

Class III Biosafety Cabinet FM-BSC-A300 is a totally enclosed ventilated cabinet of gas-tight construction with ULPA filtered supply and exhaust air, suitable for work with Group 4 hazards. Manipulations within work table are carried out via gloves mechanically attached to the cabinet providing total seal against any particulate contamination. Cabinet is kept under negative pressure of at least 120 Pa, and airflow is maintained by a dedicated exterior exhaust system. Consist of integrated pass-through with interlocking doors that permits transfer of materials and offers total barrier protection for operator, product and environment.

Specifications :

Class type	III
Biosafety levels	BSL 4
External dimension (W×D×H)	1340×850×2100 mm
Internal dimension (W×D×H)	1240×650×650 mm
Internal pass box dimension (W×D×H)	400×390×340 mm
External pass box dimension (W×D×H)	480×400×400 mm
Number of gloves ports	2 ports
Glove type	Butyl rubber gloves, washable
Airflow volume	440 to 870 cfm
Negative work zone pressure	120 Pa

Pre-filter	Polyester fiber, washable
Filter type	ULPA Filter
ULPA Filter typical efficiency	99.999% efficiency at 0.1 to 0.2 um
ULPA Filter first exhaust	99.999% efficiency at 0.1 to 0.2 um
ULPA Filter second exhaust	99.999% efficiency at 0.1 to 0.2 um
Illumination	≥ 800 Lux
UV Lamp	30 W ×1, 8 W ×1
Fluorescent lamp	28 W ×2
Noise level	≤ 62 dB
Front Window	8 mm toughened glass, anti-ultraviolet radiation
Main body material	304 stainless steel
Display	LCD Display
Control system	Microprocessor
Alarm	Visual and audio alarm
Power Supply	110 V±10%, 50 Hz
Consumption	700 W
Packaging dimension (W×D×H)	2000×1000×2220 mm
Gross Weight	395 kg

Features :

- Designed for BSL-4 biocontainment
- Exhaust air is double-filtered through high-quality ULPA filters with typical efficiency of 99.999% at 0.1 to 0.2 um particles
- First exhaust filter: 99.999% efficiency at 0.1 to 0.2 um
- Second exhaust filter: 99.999% efficiency at 0.1 to 0.2 um
- An integrated pass-through with interlocking doors
- Pressure gauge mounted in rear of work zone for monitoring of work zone negative pressure
- Minimal negative pressure of 120 Pa in working chamber
- 1 pair of 800 mm butyl rubber gloves fixed to cabinet
- Front window: 8mm toughened glass, anti-ultraviolet radiation
- An angled cabinet front ensures an ergonomic working posture
- Remote controlled operation and foot switch to adjust height of front window
- Cabinet operates at negative pressure in order to prevent migration of pathogenic materials out of work area
- UV lamp and fluorescent lamp ensures work area sterilization effectively
- Visual and audio alarm: airflow alarm, filter replacing alarm and front window height alarm

Applications:

Biological Safety Cabinet Class III are among the most effective and most commonly used primary containment devices in laboratories working with infectious agents. Designed for an absolute level of containment, it is frequently used for work involving the deadliest biohazards, bacteria, viruses and microorganisms.

Accessories:

Accessories no	Accessories name
1.	Fluorescent lamp
2.	UV Lamp

3.	Gloves
4.	Pressure meter
5.	Drain valve
6.	Remote control



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