

Biosafety Cabinet (Class II type A2)



Clean Air/Sterilization

Our Biosafety Cabinet is specifically designed to Biosafety Levels 1 & 2 (BSL 1 & BSL 2) laboratories and acts as a ventilated containment unit used for handling hazardous biological agents. It is designed to protect both the operator and the environment from exposure to biological contaminants.

The cabinet operates with a downward laminar airflow pattern that is designed to exhaust air away from the operator and towards a HEPA filter. This airflow pattern ensures that any biological agents are captured and filtered before being released into the environment.

The standard technical specifications of a Class II Type A2 biosafety cabinet include a minimum inflow velocity of 0.5 meters per second, a minimum face velocity of 0.3 meters per second, and a minimum exhaust volume of 30% of the total volume of the cabinet. It also features a HEPA filter with a minimum efficiency of 99.99% at 0.3 microns.

Key Features

- GI sheet epoxy coated outer body and SS-304 inner body
- The unit is fitted with prefilter and HEPA/ULPA Filter
- Air is sucked through the pre-filter and the excess air is thrown out from the top, through a HEPA filter of size 1'x 1'x 6"
- Front 10° slanted to offer operator comfort while working for long time, reduce glare and maximize reach into the work area.

Specifications

Cat No.	BB-BSC-2	BB-BSC-3	BB-BSC-4	BB-BSC-6
Workspace (W x D x H)	(2'x2'x2')	(3'x2'x2')	(4'x2'x2')	(6'x2'x2')
Airflow Pattern	30% Exhaust, 70% Recirculate			
Noise	<65dB			
Filters	HEPA Filter Efficiency @99.99% @0.33um			
Front Sash	Polycarbonate Window			
Standard Fittings	UV Light, Power Sockets, Differential pressure gauge			