

## Features

Selection of a biological safety cabinet (BSC)					
BSC category	Laboratory type			Type of protection	
Class I	Groups 1 – 3, microorganisms in Risk; Slightly volatile, radionuclide/chemical protection			Operator, environment	
Class II A1	Groups 1 – 3, microorganisms in Risk			Operator, environment, product	
Class II A2	Groups 1 – 3, microorganisms in Risk			Operator, environment, product	
Class II B1	Groups 1 – 3, microorganisms in Risk; Slightly volatile radionuclide/chemical protection			Operator, environment, product	
Class II B2	Groups 1 – 3, microorganisms in Risk; Minute amounts volatile, radionuclide/chemical protection			Operator, environment, product	
Class III	Groups 1 – 3, microorganisms in Risk; Volatile, radionuclide/chemical protection			Operator, environment, product	
The categories of Bio Safety Cabinet are defined and classified according to the National Sanitation Foundation Standard, NSF/ANSI 49.					
©The Class I BSC is designed primarily for the protection of operating personnel					
BSC grades	Inlet air velocity	% of air flow		Exhaust system	Applications
	m/s	internal re-circulated	Exhausted		
Class I	0.38	0	100	External (hard duct)	It is used for laboratories which are work with nonvolatile, radionuclide/chemical protection, microorganisms in Risk.
©The Class II BSC is designed not only to provide personnel protection but also to protect work surface materials from being contaminated by the room air which is drawn into the cabinet. And it is used for protecting the laboratory environment as well. It is acceptable					

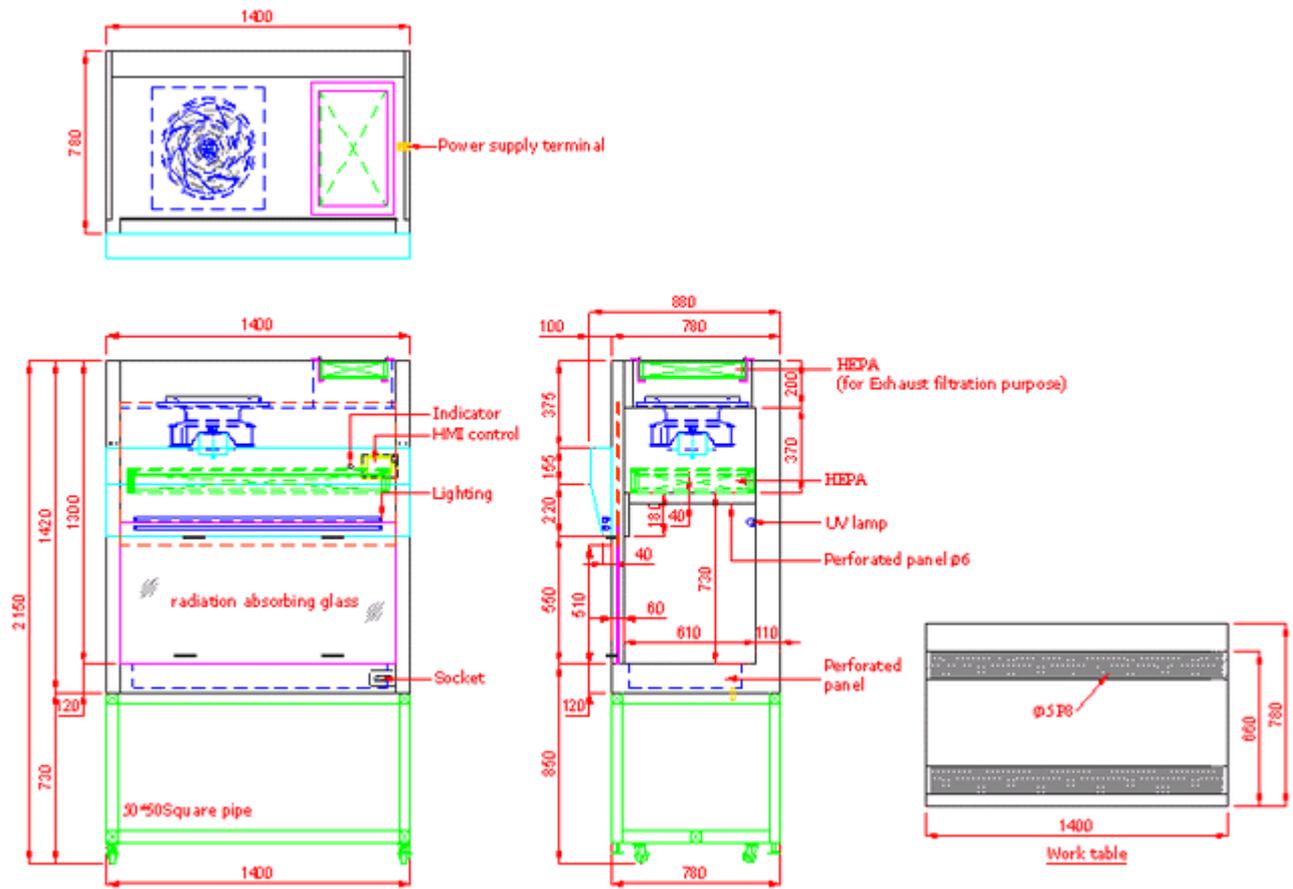
for working with medium level risk tests. And according to the National Sanitation Foundation Standard, NSF/ANSI 49(2002), it can be defined and classified as 4 types. Their features are compared as below.

BSC grades	Inlet air velocity	% of air flow		Exhaust system	Applications
	m/s	internal re-circulated	Exhausted		
Class II A1	0.38	70	30	Internal or external (Exhaust hood)	It is used for laboratories which are work with nonvolatile, radionuclide/chemical protection, microorganisms in Risk.
Class II A2	0.5	70	30		
Class II B1	0.5	30	70	External (Hard duct)	It is used for laboratories which are work with lightly volatile, radionuclide/chemical protection, microorganisms in Risk.
Class II B2	0.5	0	100		

©Class III biological safety cabinets are suitable for work in Bio-safety Level 3 and 4 laboratories and provide the protection for the highest hazardous level of the Risk Group 3, Risk Group 4, or above. It virtually is a sealed gas tight cabinet. Moreover, its supply air is HEPA- filtered and exhaust air passes through two HEPA filters which keep the cabinet interior under negative pressure consequently. The only way of accessing to the work surface for operation is by means of heavy duty rubber gloves, which are attached to ports in the cabinet virtually.

BSC grade	Inlet air velocity	% of air flow		Exhaust system	Applications
	m/s	internal re-circulated	Exhausted		
Class III	N/A	0	100	Exhaust air should pass through two filters.	It is used for laboratories which are work with lightly volatile, toxic, radionuclide protection, microorganisms in Risk.

## Specification



▲ Class II A1



▲ Class II A2



▲ Class II B2

Other 1

Please send your inquiries of our products through the selection of [Contact us] , or via telephone !