



# LAB-CARE INSTRUMENTS & SERVICES

Mfg. of : Laboratory, Scientific, Surgical,  
Industrial Heating & Cooling Equipments & Instruments



## LC-09 BOI SAFETY CABINET

STD and GMP Model ,working zone made of stainless steel and removable for cleaning. Spill Trough or drainage (SS). Magnehelic pressure gauge. The cabinet's airflow is 30% exhausted & 70% re circulated. Sliding door (polycarbonates). HEPA Filters 99.99% at 0.3 Microns Efficiency Rated- 02 numbers, one at exhaust and one at inflow. Filters are with integral metal guards & filter frame gaskets. Exhaust duct. Pre-Filter-one number. External or internal Fluorescent Lighting and UV light (UV lamp should be in working zone). Valves for Gas/Air. Blower. Electric socket for plugging lab instrument.

MODEL TYPE	BSC-2	BSC-3	BSC-4
Working Area	2' x 2' x 2'	3' x 2' x 2'	4' x 2' x 2'
Size of the Filter	2' x 2' x 3''	3' x 2' x 3''	4' x 2' x 3''
HEPA filter (with unit )	One	One	One
PRE-filter (with unit)	One	One	One
Illumination (with unit)	1 x 20 watts	2 x 20 watts	2 x 40 watts
U.V. Light	One	One	One
Gas/Air Cock	One	One	One
S.T.D. Model	Completed Body Made by Mild Steel Powder Coated and Working Plat form Made By Stainless steel Grade SS-304		
G.M.P.Model	Completed Unit made by Stainless steel Grade SS-304		



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## Construction Details

The modular biosafety cabinet class 1 is constructed of Stainless-Steel / PCRC Powder Coated Sheet with a pharmaceutical grade finish. Tri wall construction surrounds the work zone with negative pressure. A microprocessor controls cabinet functions. monitoring of the cabinet air flow is displayed on an LCD panel and a blower hours run meter tracks operating life.

Illumination - equipped with fluorescent light panel along with optimal wattage ultra violet light that ensures high level of cleanliness before the commencement of actual working.

Noise level - These equipments have extremely low noise level of less than 54dB and also have minimum possible vibration levels.

Filter Assembly All our bio safety cabinets are fitted with fully washable synthetic pre-filter units and secondary high efficiency perfect air filters made of mini pleated non-woven fabric. The efficiency of our filters have a rating better than 99.99% at DOP (cold) and 99.97% at DOP (Hot). Our units have the capacity to hold all suspended particles of size greater than 0.3 micron.

Motor and Blower Assembly: these are provided with perfectly balanced (Static as well as

## Technical Details

Constructions        Stainless steel sheet table of ss-304 grade

Table        Stainless Steel Grade SS-304

Pre Filter        Washable pre-filter unit

HEPA Filters        Glass pleated non-woven fabric filter having 99.99% efficiency 0.3 micron particle size.

Air Flow        Unidirectional.

Air Flow Control        Three Step air flow speed controller

Blower Assembly        Centrifugal lubricated bearing type ISI marked assembly

Illumination        >800 lux

Noise level        <54 db

Differential pressure indicating precision 1%

Add on features        Gas/air/vacuum line cock

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Nominal voltage        220-230 Volts

Frequency        50 Hz

**Application** : Pharmaceutical, Heath Care, Bimedical Research Laboratoires, Chemical Medical Application , Laboratory Application , Microbiological & Laboratory