

ISO 9001-2015,WHO, FDA,
European CE Nortified &
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ALPHA^R
SUDARSHAN

CE
European CE
Nortified



ASE-132

ASE-132 Biological Safety Cabinet ALPHATM

The cabinets are fabricated out of M.S. Sheet. Interior surface are white epoxy painted for its longer life. The work table is made of thick M.S. Sheet. at top. Side panels are made out of thick transparent plexi glass duty framed. The unit is fitted with pre-filter and HEPA Filter. Air is drawn through pre-filter and is made to pass through highly effective HEPA (High Efficiency Particular Air) filters having efficiency rating as high as 99.99% with cold DOP and 99.97% with hot DOP, thus retaining all airborne particles of size 0.2-0.3 micron and larger. DOP tested HEPA Filters with IPD & FPD and further tested as US federal Standard 209B, BSC II A level.

Microprocessor based. The microprocessor must display the inflow and down flow air velocities in real time on an LED display to ensure the user knows whether or not the cabinet is working under safe operating conditions.

Pre filters are moisture, fungus, bacteria & frost resistant. These pre-filters are of nonwoven synthetic media mounted on frame having 90% efficiency down to 5 microns with IPD 5 nm wg at rated flow upto 1000 CFM \pm 20%.

Using a dynamic balancing machine, the balanced centrifugal blower through pre-Filters retaining more than 75% of paticles larger than 5 microns. All joints are tonged and Grooved. Blower and motor assembly is statically and dynamically balanced. Motor of 1/4 H.P. capacity operates with minimum noise level. The working area is illuminated by fluorescent lighting fitted to the unit. The height of the working table provides a comfortable "SIT DOWN" working position for the operator. In addition to the above features of a standard Vertical Laminar Flow Bench the "ALPHA" Bio-Safe cabinets have arrangement for recirculating a part of the air thus creating highest level of clean air. The unit is also convertable to the conventional vertical laminar flow bench with downward air flow by lifting the sliding front door upwards. Air is sucked through the pre-filter and the excess air is thrown out from the top by means of a COMPUTER FAN fitted at the top of the unit and is let out through a HEPA filter of size 1'x1'x6". *Other changes will be done on request or as per user specification..*

Glove ports and Gauntlets are provided on the collapsible type front door made of crystal clear plexi glass. Unit is fitted with built-in U.V. Germicidal light 15 or 30 watts & Fluorescent tube set 20 or 40 watts. To work on 220/230 volts A.C. 50 Hz Single phase.

| Model | BSC-222 | BSC-422 | BSC-622 |
|-----------------------------------|------------|-------------|------------|
| Working Table Size | 2'x2'x2' | 4'x2'x2' | 6'x2'x2' |
| Size of HEPA Filter | 2'x1.5'x6" | 4'x1.5'x6" | 3'x1.5'x6" |
| No Of HEPA Filters | 1 | 1 | 2 |
| Illumination by fluorescent light | 1x20or 40W | 2x20 or 40W | 1X40W |

OPTIONAL ACCESSORIES

- (a) Satin Finish Non glaring S.S. Table Top
 - (1) Made out of thick 22 SWG
 - (2) Made out of thick 18SWG
- (b) Static Pressure Manometer to asses pressure in HEPA Filters.
- (c) Exhaust system 6' duct
- (d) Exhaust ducting (per running feel)
- (e) Virus burn out unit.
- (f) Gas burner

Manufactured By : SUDARSHAN CHEMICALS India 324007 0744-2362345, 09414188018

CE, ISO 9001:2015, WHO, FDA & ISO-13485 CERTIFIED
With first prize awarded at Haroti Udyog Mela year 2003