

ISO 9001:2015, WHO, FDA,
European CE Nortified &
ISO-13485 Certified



ALPHA^R
SUDARSHAN

CE
European CE
Nortified



ASE-109

ASE-109 Plant Growth Chamber **ALPHATM**

These chambers are most useful for carrying out various experiments to study growth of plants controlled environmental conditions, incubation etc. This sturdy constructed chamber has outer wall made of M.S. Sheet duly pretreated & powder coated & Inner Chamber is made of heavy gauge S.S.304 Sheet. The gap between inner and outer wall is filled 75 mm thick with high grade glass wool to avoid thermal loss. Besides outer double walled door, a full view inner glass door allows inspection of test samples without disturbing the chamber conditions. Unit is supplied with three adjustable perforated shelves.

Temperature range from 0°C to 50°C \pm 1°C is controlled by DUAL SETTING Digital Temperature Indicator-cum-Controller so as to set two different temperatures for Day and Night. Heating elements made of nichrome wire provide the necessary heating whereas cooling is made of nichrome wire provide the necessary heating whereas cooling is achieved by means of hermetically sealed SHRIRAM/KIRLOSKER compressor.

Exterior illumination with fluorescent tubes fitted on both sides of the chamber accounts for artificial day light, and the cyclic illumination condition are regulated by automatic 0-24 hrs. Timer. When all the tubes are ON temperature from 7°C to 50°C \pm 1°C can be obtained Light intensity can be adjusted by a controller, depending upon the conditions required for the particular experiment.

Humidity from ambient to 95% \pm 3% RH is controlled by a Digital controller at temperatures ranging from ambient to 50°C and the same is achieved by means of injecting steam or spraying water. Arrangement for increasing the humidity is provided and not for decreasing. **Other changes can be done on request or as per user specification.** All models are supplied with Voltage Stabilizer.

Available in following sizes ::

WIDTH X HEIGHT X DEPTH	CAPACITY (Cu. Ft.)	ALUMINIUM	S.STEEL
(a) 825x1200x825mm.	30 Cu.ft.		
(b) 1400x1480x800mm.	50 Cu.ft.		

OPTIONAL ACCESSORIES

- (1) Microprocessor Based Digital Controller with an accuracy of \pm 0.2°C
- (2) 7 Days Programmable Timer can be Provided
- (3) Provision for 50,000 lux can be provided with mixture of incandescent lamp & fluorescent light

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

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With first prize awarded at Haroti Udyog Mela year 2003