

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



ALPHA^R
SUDARSHAN

CE
European CE
Nortified



ASE-105

ASE-105 Seed Germinator (Dual Chamber) ALPHA^R

Most suitable for conducting various experiments on a variety of seeds under different conditions are created within the chamber to perform different experiments without going onto the field. The double walled unit has inner chamber made up of anodised aluminium or stainless steel 316 and outer chamber made of heavy gauge G I 20 SWG sheet duly oven Powder coated. Insulation is provided between inner chamber & outer body to minimise heat loss. Door provided with key & lock system in it. The door is provided with leak proof magnetic gasket one on chamber and one on the door, Door is also provided with a viewing glass window to view the germination of seeds inside the chamber without opening the door. Each chamber has separate air circulation by FH Motor with ample provision for an even distribution of air by a fan which assures uniformity of temp. throughout the chamber. Standard make (ISI MARK) compressor with all accessories, Stainless steel water tank having the capacity of 30 liters approx. with water inlet & outlet made of brass nozzle and brass drain pipe provided in chamber at bottom to maintain the required humidity through proper circulation of water in the chamber. Water level indicator is provided in germinator. Seed Germinator chamber have with lighting arrangement (700-1250 lux intensity of light) fully programmable with 0-24 hour timer. Germinator is mounted on caster wheels for easy mobility. Each chamber can accommodate 4 perforated stainless steel of 316 grade trays. Humidity (NOT ADJUSTABLE) is created in a S.S. water reservoir fitted at the bottom, in both chambers, to create 90% to 95% \pm 3% RH humidity. Each Chamber is fitted with heating & cooling separate controls. Temperature of both the chambers is controlled separately by Digital temp. controller cum indicator system by Microprocessor based control 2x16 (Range 5°C – 50°C \pm 1°C). Other changes can be done on request or as per user specification.

INSIDE CHAMBER SIZE (H.W.D) (of each chamber) ALUMINIUM S.STEEL
900mm. x 550mm x 600mm. Approx.

OPTIONAL ACCESSORIES

- Interior illumination with 3 Nos. fluorescent tubes (for each chamber)
- Exterior illumination with 3 Nos. fluorescent tubes (for each chamber)
- Automatic 0-24 hour Timer to regulate cyclic illumination conditions (for each chamber)
- Humidity control arrangement from 55% to 95% + 3% RH, controlled by humidistat.
- Electronic Digital Temperature Indicator-cum-Controller (for each chamber).
- Dual setting Digital Temperature Controller for setting two different temperatures for day and night (for each chamber).
- Hygrometer with LCD/LED display indoor temp. & humidity display simultaneously, minimum and maximum temperature and humidity.
- MCB for compressor & heater.
- Automatic Voltage Stabilizer 5 KVA (for each chamber).

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

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With first prize awarded at Haroti Udyog Mela year 2003