

## SEED GERMINATOR

Seed Germinators provide controlled environment required for plant research. A plant's response to different conditions can be monitored or a particular habitat imitated. Standard propagation techniques can be greatly speeded up using a growth cabinet as well as achieving a higher success rate. Where micro propagation is being used a growth cabinet is essential for rooting the plantlets and adapting them to normal conditions. This plant growth cabinet is ideal for all routine propagation and research applications.

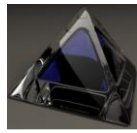


### SALENT FEATURES

- Double walled construction with inner chamber made of stainless steel SS and outer chamber made of mild steel duly powder coated.
- Solid see thru double walled door and a full view inner plexi-glass door enables inspection and monitoring of inner chamber specimens without disturbing the process temperature & humidity.
  - Keyed door lock for improved security with magnetic door gasket.
  - User - oriented SS shelves (3 to 8 nos) makes you adjust each space of shelves without difficulty.
  - PUF thick insulation to ensure temperature stability & reduced energy consumption
  - Micro processor based PID temperature indicator cum control
  - Specially designed controller for audio visual deviation alarm from the preset temperature, door open alarm.
- The cooling is effected by a hermetically sealed CFC FREE ECO FRIENDLY COMPRESSOR.
- Designed air flow system ensuring uniform temperature
- S.S. Water reservoir with immersion type heaters at the bottom provides 90% to 95% fixed humidity (not adjustable)
- Illumination with the help of fluorescent lamps/tubes for artificial day light effect.
- PT-100 temperature sensor (resolution 0.1°C)
- SS nichrome wire air heaters
- It works on 230V AC.
- Unit mounted on castor wheels for ease of mobility

### SPECIFICATION

Model	SAIL-SG-110	SAIL-SG-180	SAIL-SG-270	SAIL-SG-380	SAIL-SG-500
Capacity (Liters)	110	180	270	380	500
Internal dimension (WxDxH cms)	45 x 45 x 55	50 x 50 x 72	55 x 55 x 90	60 x 60 x 105	65 x 65 x 120



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No of shelves	2-3	3-4	4-5	5-6	6-8
Temperature & accuracy	5 to 60°C ±1.5°C				
Humidity RH% & accuracy	90 to 95 % ±5%				
Digital timer	1-99 hrs				

**Optional:**

- 7 days circular chart temperature recorder
- RS 232 communication port to interface chamber directly to computer for storing data & print
- PLC controlled equipment with touch screen colour display HMI
- MOC Outer body – SS
- Audio visual power failure alarm
- Electronic digital voltmeter
- In built voltage stabilizer
- Humidity generation and control system to control humidity 5% above ambient from 40% RH to 95% RH at cool temperature through a Digital Humidity Controller with LED display with an accuracy of ±5% RH. Capacitive type humidity sensor to measure humidity.

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