

CATALOGUE
OF
SEED
GERMINATOR
FDLS/SG-340



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+91- 9319272252



fidelsscience2022@gmail.com



www.fidelsscience.com



M-1, Lajpat Nagar-3, New Delhi -24



SEED GERMINATOR

FIDELS make stability chamber are manufactured to comply requirement of Industries. Specifically designed for long term and stable continuous operation ideal for Pharmaceuticals, Bio technology and Research institutions for storage and incubation studies.

TECHNICAL SPECIFICATION:

1. **Liters. Cap cubic/ feet : 340/12**
2. **Inner chamber size (W X D X H)cm : 60x 55x 105**
3. **Power in Watts: 3000**

KEY FEATURES:

- 160 X 80 STN Monochrome Graphic LCD
- In-built Programmable Timer
- Door Open Detection, Alarm
- RS485 Serial Port for PC Connectivity
- Smart water level detection with alarm

PRODUCT SPECIFICATION:

- **Chamber Design:** Double walled
- **Inner Chamber:** Inner chamber made of stainless steel 304 Grade
- **Outer Chamber:** Outer Chamber made of Mild Steel with powder coated finished
- **Door:** The door is provided with rubber gasket door closer. The outer door is made of mild steel sheet and finished with powder coated. The Inner door is made of stainless steel sheet of grade 304. The door is provided with latch type lock type lock and Bakelite/PCV handle
- **Inner Glass Door:** Inner full-length glass door is provided to view the samples without disturbing the temperature
- **Wheels:** The unit is mounted on a sturdy steel frame with cast iron wheels for easy movement.
- **Conditioning system:** The triple walled back of the instrument is provided with air circulating fans. The chamber is equipped with a vertically recirculating conditioning stream of air sucking from the top of the inner chamber duct and carrying heating/cooling/humidity which enters from the bottom of the chamber this process continuous to maintain uniformity throughout the chamber.
- **Trays:** The unit is provided with 3 Nos. Mesh type removable Stainless Steel Rod trays at a Fixed Distance.
- **Heating:** Indirect heating system is provided in our units, and Tubular air heater which is made of high grade Kanthal heating wires of suitable wattage and is evenly distributed throughout the chamber through efficient motor fans ensuring very good temperature sensitivity
- **Cooling:** An energy efficient cooling unit is installed our instrument hermetically sealed compressors. These compressors are the heavy duty industrial type noise free, vibration free and air cooled Compressor start in sequence to protect the unit from overloading. We use CFC free environmentally friendly refrigerant and compressors of Kirloskar/Tecumseh make, conforming to latest international standards and guidelines
- **Humidity:** Humidity generation is incorporated in our Instruments by means of aerosol humidity generator

- **Illumination:** Illumination is provided by one/two florescent tube on either side of inner chamber and it controlled by cyclic timer
- **Temperature Controlled:** Microprocessor based PID Temperature controller with PT-100 Sensor
- **Humidity Controlled:** Microprocessor based direct reading RH controller cum indicator with RH sensor.
- **Temperature Range:** Temperature range 5°C to 60°C
- **Humidity Range:** 95% RH
- **Temperature Resolution:** 0.1°C 18.
- **Humidity Resolution:** 0.1%.RH 19.
- **Insulation:** 75 mm by PUFF
- **Temperature Accuracy:** $\pm 2^{\circ}\text{C}$ 20.
- **Humidity Accuracy:** $\pm 5\%.$ RH 21.
- **Front Panel:** Front panel of our units comprises of Humidity cum Temperature controller and on/off rocker switches for Power, cooling and humidity with working manual
- **Control Panel:** Control panel of our units comprises of on/off rocker switches for Power, cooling and Humidity, and fuses for heater, motor and compressor. Solid state relay, Electrical Relay, Humidity cum Temperature controller and wiring.
- **Power Supply:** 230 Volts Single Phase 50Hz, AC supply.



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MODEL NO.-FDLS/SG-340**