

ENVIRO-GENIE®

Environmentally Controlled Benchtop 5-in-1 Refrigerator / Incubator / Rotator / Rocker / Stirrer

The **Enviro-Genie** is a Refrigerator / Incubator / Rotator / Rocker / Stirrer for the study of micro-organisms and tissue cell growth under strictly controlled conditions of temperature and agitation. Designed to provide the security of precise temperature control and uniformity for demanding incubation/refrigeration applications without taking up a great deal of space. It performs membrane-based assays/washings and hybridizations more efficiently. Chamber air is gently and continuously circulating at a rate that ensures the temperature consistency and uniformity of all test samples. Shatter resistant viewing window allows for inspection of samples without affecting the chamber environment.

Microprocessor control easily achieves desired rotating, rocking, and stirring speed; temperature; and time; all of which are shown on a large, easy to read display for accurate reproducible conditions. Visible and audible alarms for both temperature and time.

FEATURES:

- 4°C to 75°C precise temperature range
- Thermo-electric (Peltier) refrigeration & heating – no compressor
- Microprocessor controls allow for accurate, reproducible conditions
- Economical, space saving, and secure

SPECIFICATIONS:

Temperature and Settings

- Heating to 75°C
- Cooling to 4°C
- Accuracy $\pm 0.2^{\circ}\text{C}$
- Uniformity $\pm 0.5^{\circ}\text{C}$
- Resolution 0.1°C
- Stability $\pm 0.1^{\circ}\text{C}$
- Time: Programmable to 99 hours
- Alarms: Visible & audible, temp & time



Rocking

- 2-70 cycles per minute

Rotating

- 1-35 RPM

Stirring

- Capacity: 2 containers (up to 1 liter each)
- Speed: 1-1000 RPM
- Stir Reversing: variable for 1-60 seconds

Size

- Overall: 495mm x 622mm x 366mm (19.5" x 24.5" x 14.5")
- Chamber: 254mm x 362mm x 260mm (10" x 14.25" x 10.25")
- Chamber Volume: 24 Liters

Electrical

- 120 Volt AC, 5 Amp (SI-1200)
- 230 Volt AC, 2.5 Amp (SI-1201, SI-1202, SI-1203, SI-1204)
- 100 Volt AC 5 Amp (SI-1205)

(Nominal voltages not to vary by more than 10%)

2-Year Warranty

X

 **CAUTION! Do not subject the Enviro-Genie to excessive shock.**

Dropping the unit, or otherwise subjecting it to unnecessary shock (ie: using excessive force to place vessels on the unit) may crack the case and lead to unsafe conditions.

 **CAUTION! Failure to follow operating instructions can compromise the user's safety.**

CARE & HANDLING

The **Enviro-Genie** should be given the care normally required for any electrical appliance. Avoid wetting or unnecessary exposure to fumes. The finish can be washed with a damp cloth (after unplugging) and soap or mild detergents. Keep the unit clean by immediately blotting any spills.

 **CAUTION! Unplug from power before cleaning. Do not immerse.**

 **CAUTION! Do not use Enviro-Genie in hazardous atmospheres or with hazardous materials.**

 **CAUTION! Do not use Enviro-Genie in applications such as mixing of flammable materials or where the transfer of mechanical energy to glass apparatus could lead to breakage.**

TECHNICAL SPECIFICATIONS

The **Enviro-Genie** is classified as "Installation Category 2"

Environmental: 0°C – 38°C (32°F-100°F), 95% Humidity max.

| MODEL | POWER | REQUIRED AMPS |
|--------------|--------------|----------------------|
| SI-1200 | 120V/60Hz. | 5 |
| SI-1201 | 230V/50Hz. | 2.5 - No Plug |
| SI-1202 | 230V/50Hz | 2.5 - European Plug |
| SI-1203 | 230V/50Hz | 2.5 - British Plug |
| SI-1204 | 230V/50Hz | 2.5 – Swiss Plug |
| SI-1205 | 100V/50-60Hz | 5 |

Weight: 36 Kg (80 lbs)

Maximum Load: Centered on Axis: 4.5kg (10lb.)
Offset: 2.3kg (5lb.)

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