Cooling Biological Incubator

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The Cooling Biological Incubator is ideal for scientific research and production activities in environmental protection, epidemic prevention, drug testing, livestock, and aquatic industries. It provides a reliable thermostatic environment for water analysis, bacterial culture, microorganism conservation, plant cultivation, and breeding experiments.

Applications

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- Environmental research
- Epidemic control
- Drug testing and analysis
- Cultivation and conservation of bacteria, mold, and microorganisms
- Plant and breeding experiments

Key Features

1. **Energy-Saving Technology**

- Advanced synthetic silicone seals ensure effective heat retention.
- Auto-adjusts control parameters based on ambient conditions to optimize energy use.
- High-efficiency compressor for stable temperature control and low power consumption.

2. **Intelligent Control**

- High-definition LCD display with real-time parameter updates.
- User-friendly menu interface for quick temperature and time settings.

3. **Internal Circulation System**

- Back suction and bottom forced convection design for uniform temperature distribution.
- High-quality fans with large impellers enhance ventilation efficiency.

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- Laser-perforated shelves improve airflow and temperature uniformity.

4. **Dedicated Construction**

- Adjustable shelves with a minimum spacing of 30mm.
- Interior chamber made from brushed stainless steel for superior corrosion resistance.

5. **Humanized Design**

- Built-in observation window for easy monitoring.

6. **Safety Features**

- Leakage protection device for operator and equipment safety.
- Self-diagnosis function displays fault information for quick troubleshooting.

Optional Features

- Test holes
- Internal socket
- Digital independent temperature limiter
- Programmable temperature controller with optional USB, RS485/232, or built-in printer

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- Spare shelves

Specifications

The Cooling Biological Incubator (Model: MSJDCC261ASWISS) has a capacity of 150 liters and operates with a forced convection circulation mode.

- **Dimensions**:
  - Internal dimensions are 550 mm (W) × 390 mm (D) × 800 mm (H).
  - External dimensions are 600 mm (W) × 630 mm (D) × 1460 mm (H).
- **Temperature Control**: The temperature range is 0°C to 60°C, with a fluctuation of ±0.5°C, a resolution of 0.1°C, and a uniformity of ±1°C. The incubator features a PID controller and uses a PT100 sensor for precise temperature management.
- **Display and Timer**: It is equipped with a high-definition LCD display and a timer with a range of 1 to 9999 minutes.
- **Material**: The internal chamber is made of stainless steel for corrosion resistance, while the external surface is constructed with cold-rolled steel and an electrostatic spray finish.
- **Shelving**: The unit includes three shelves for optimal storage and organization.
- **Refrigerant**: The incubator uses R134a refrigerant, which is CFC-free and environmentally friendly.
- **Safety Features**: It is equipped with a leakage protector and an audible alarm for enhanced operational safety.
- **Electrical Specifications**: The incubator operates on AC 220/110V, 50/60Hz, with a power consumption of 900 watts.

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- **Weight**: The net weight is 73 kg, and the gross weight is 115 kg.
- **Shipping Dimensions**: The shipping dimensions are 730 mm (W) × 690 mm (D) × 1610 mm (H).

This robust incubator offers precise temperature control, energy efficiency, and a user-centric design to cater to diverse biological and environmental research needs.

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