



## ***INCUBATOR FOR BOD***

### ***TE-371/340L***

Used to incubate vials for determining BOD (biological oxygen demand) and also other types of samples that particularly require the renewal of the air inside the chamber.

## Technical Characteristics

### TE-371/340L

- Temperature: 10.0°C to 40.0°C ;
- Temperature controller: Digital microprocessor with PID system with KM5P ramps and patamers;
- Temperature sensor: PT-100;
- Control accuracy:  $\pm 2.0^{\circ}\text{C}$ ;
- Uniformity:  $\pm 1.5^{\circ}\text{C}$ ;
- Compressor: Hermetic 1/8HP, with 134-A CFC-free gas;
- Cooling capacity: 340 BTU/h at 0°C;
- Anti-freeze system: Frost Free type;
- Insulation: Expanded polyurethane;
- Circulation: Forced ventilation with AN air exchange system via AN air inlet on the lower right side (with filter) and AN outlet on the upper left side to renew the internal air;
- Security: Overheating thermostat above 60°C with audible alarm and automatic switch-off ;
- Capacity: 6 shelves;
- Maximum load limit per tray: 15kg;
- Capacity (Sample): Estimated 1000 Petri dishes  $\varnothing 90 \times 15$ (mm) ;
- External cabinet: Made of carbon steel with anti-corrosion treatment and electrostatic painting;
- External dimensions: Width= 616 mm x Height= 1539 mm x Depth= 690 mm ;
- Useful internal dimensions: Width= 500 mm x Height= 1200 mm x Depth= 500 mm ;
- Drain: With reservoir and resistance system for condensate evaporation ;
- Volume: 300 liters;
- Weight: 45 kg ;
- Power: 1200 W ;
- Voltage: 220V  $\pm 5\%$  60Hz \*\* At 50Hz the cooling capacity may be reduced by 10-15%. ;
- Accessories: - 04 shelves - Instruction manual with warranty;

## Benefits and Advantages

- Easy programming of the controller
- It has a microprocessor-based temperature control (PID), which means that there are fewer temperature variations and less interference in the process, providing greater efficiency
- It has internal air circulation and an air renewal system
- Preserves sample humidity
- Overheating thermostat above 60°C with audible alarm and automatic shutdown for safety
- Perforated temperature sensor, the most sensitive, providing rapid response
- Uniform thermal distribution
- Easy access to the panel, providing easy maintenance
- Independent drain
- Adjustable feet for leveling when necessary
- Internal circulation system that prevents drying out and condensation on petri dish samples
- Strict quality control, in which checks and tests guarantee the perfect functioning of the equipment, providing safety and customer satisfaction
- Customer service to answer questions and provide explanations about the equipment and methodologies.