



# ***DRYING AND STERILIZATION GREENHOUSE W CIRCULATION TE-394/1-MP***

Used for drying material, glassware and samples in general, and can be used to determine moisture, whether or not it has a circulation and air renewal system.

## Technical Characteristics

### TE-394/1-MP

- Temperature: Ambient + 7 ° C to 150 ° C;
- Temperature control: Microprocessed digital with PID System and RBC calibration certificate;
- Sensor: Type 'J';
- Control accuracy:  $\pm 1$  ° C;
- Uniformities:  $\pm 0.5$  ° C (Difference between maximum and minimum) - study carried out at 60 ° C in 9 points  $\pm 1.5$  ° C (Difference between maximum and minimum) - study carried out at 120 ° C in 9 points;
- Measurement uncertainty: 0.9 ° C;
- Stability: 0.2 ° C;
- Capacity: 2 trays 130 mm apart;
- Motor: ¼ CV induction;
- Circulation system: Internal ventilation in the horizontal direction;
- Circulation / Renewal: Manual system to select the circulation type;
- Insulation: Thermal with double layer of ceramic fiber and glass wool;
- Safety: Overheat protection system;
- Sealing: Molded silicone door;
- Inner chamber: Polished stainless steel;
- Cabinet: In carbon steel with anti-corrosion treatment and electrostatic painting;
- Internal dimensions: W = 400 x D = 400 x H = 400 mm;
- Volume: 64 liters;
- External dimensions: W = 600 x D = 500 x H = 780 mm;
- Weight supported per tray: Up to 12kg;
- Weight: 60 Kg;
- Power: 1000 Watts;
- Voltage: 220 Volts;
- Accompanies: - 01 Tray - 02 extra fuses - Instruction Manual with Warranty Term;

## Benefits and Advantages

- Double wall insulation allows better temperature control, since it minimizes losses during the heating process
- This perfect insulation also allows for energy savings since the use of high power resistors is not necessary
- The stainless steel walls facilitate cleaning and are much more durable due to resistance against corrosion
- The safety thermostat works independently of microprocessor control and is activated in the event of a system failure, preventing the temperature from exceeding the set limit
- Greater security and precision of the analysis
- Air circulation and renewal system providing an effective internal ventilation system, promoting greater temperature homogeneity at different points within the greenhouses
- Air circulation and renewal system provides a more efficient and quick drying of the samples inserted there
- Air circulation and renewal system extends the service life of the stainless steel internal cabinet, preventing corrosion
- Thermomechanical system that must be programmed with at least 10% above the set temperature, thus protecting the resistance of the equipment and the samples that are packaged.