



# ***GERMINATION CHAMBER TYPE MANGELSDORF TE-405/1***

Used for germination tests and accelerated seed aging. Also applicable for aging tests with saturated RH (relative humidity).

## Technical Characteristics

### TE-405/1

- Temperature range: ambient +7°C to 60°C;
- Temperature control: microprocessor-based digital with pid system and rbc calibration certificate;
- Temperature sensor: 3-wire pt-100 type;
- Control accuracy:  $\pm 1^{\circ}\text{C}$ ;
- Uniformity:  $\pm 2^{\circ}\text{C}$ ;
- Humidity: saturated from an internal reservoir with a capacity of 17 liters;
- Inner chamber: in 304 stainless steel;
- Capacity: 5 shelves;
- Distance between shelves: 140 mm considering 5 shelves. It can be adjusted with a minimum height between them of 70mm due to the column fitting system;
- Drain: for draining water from the bowl;
- Cabinet: carbon steel with anti-corrosive treatment and painting electrostatics;
- Safety: bulb thermostat to turn off the resistance in case of lack of water;
- Internal dimensions: w=550 xd=500 xh=1000 mm;
- Volume: 275 liters;
- External dimensions: w=720 xd=660 xh=1340 mm;
- Weight: 76 kg;
- Power: 1000w;
- Voltage: 220v 50/60hz;
- Accompanies: - 02 extra fuses - 05 shelves - instruction manual and warranty term;

### Benefits and Advantages

- Internal reservoir system that provides saturated moisture
- Temperature control immersed in water: the sample receives heat and humidity at the same time
- Tilted top viewer to return condensate into the equipment
- Controller with PID control system
- Glass door for internal viewing without changing the temperature, providing convenience
- Inner chamber and bowl in 304 stainless steel to prevent oxidation
- Possibility of adjusting the tray in up to 10 height positions
- Safety thermostat in contact with the resistance to shut down in case of lack of water or loss of control
- Detachable electrical panel for maintenance
- Strict quality control, in which checks and tests guarantee the perfect functioning of the equipment, providing safety and client satisfaction
- Client service, to answer questions and provide explanations about the equipment and methodologies