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HIGH PRECISION TEMPERATURE CHAMBER WITH WATER JACK

TE-410

Used in seed aging research

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Technical Characteristics

TE-410

- Temperature Range: Ambient +5°C to 50°C;
- Temperature controller: Digital microprocessor with PID system and RBC calibration certificate;
- Temperature sensor: PT-100;
- Control accuracy: ±0.2°C;
- Uniformity: ±0.5°C;
- Capacity: 5 shelves;
- Water jacket system: Provides temperature uniformity by eliminating cold spots inside the chamber, avoiding condensation that are primary sources of contamination;
- Humidity: By natural evaporation. It has an internal reservoir that provides moisture;
- Filter element: Hepa absolute filter with pleated glass microfiber paper filter element;
- Level: Visual indication of the level of the thermostating jacket;
- Circulation: Circulation of water in the thermostating jacket through an electropum;
- Inner door: In glass with silicone profile seal;
- Cabinet: Built in stainless steel 304 internally with rounded corners and externally in carbon steel with anti-corrosive treatment and electrostatic painting;
- Internal dimensions: W=440 x D=340 x H=470 mm;
- Volume: 70 liters;
- External dimensions: W=710 x D=610 x H=860 mm;
- Weight: 52 kg;
- Power: 700W;
- Voltage: 220V 50/60Hz;
- ACCOMPANIES: - 02 extra fuses - 03 Shelves - Instruction Manual with Warranty Term;

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Benefits and Advantages

- Temperature control system made with a jacket with water circulation ensuring temperature stability and homogeneity due to uniform heat distribution
- LED system indicating water on the jacket that provides practicality
- It has PT-100 sensor the most accurate
- Visit entry that allows placement of external sensors to carry out the qualification of the equipment
- Audible temperature alarm: 0.5 ºC above or below providing security
- Front door with built-in resistance to prevent condensation
- Front glass door for internal viewing without changing the temperature providing convenience
- Hepa absolute filter with pleated glass microfiber paper filter element for aseptic environment
- Cabinet built internally in 304 stainless steel with rounded corners and externally in carbon steel with anti-corrosive treatment and electrostatic painting
- Door open: engine is switched off immediately when the door is opened
- Rigid 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.