



THERMOSTATIC BATH

TE-2005/1

Used to promote controlled heating and cooling in liquids with constant agitation, ensuring precision in temperatures. Used in conjunction with equipment that works by condensation system, such as distillers, fat and fiber determiners, rotary evaporators, etc., ensuring efficiency in the cooling of the condensers.

Technical Characteristics

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- Temperature: -10°C to 60°C;
- Temperature: Control through PID controller, with 4.3" touchscreen interface;
- Sensor: PT100;
- Control accuracy: $\pm 0.1^\circ\text{C}$;
- Uniformity: $\pm 0.3^\circ\text{C}$;
- Compressor: Hermetic 1/6 Hp, with CFC-free R-134-A gas;
- Cooling capacity: 304 Kcal/h at -10°C;
- Circulation pump: Internal and external;
- Pumping capacity: 9.5 L/minute (flow), 2.1 mca (pressure);
- Tray and Cuba: In 304 stainless steel;
- Cabinet: 304 stainless steel cabinet with electrostatic painting and anti-corrosion treatment;
- Bowl dimensions: L=230 x D=220 x H=200 mm;
- Useful Volume: 6.5 Liters;
- Equipment Dimensions: L=355 x D=609 x H=565 mm;
- Voltage/frequency: 220V – 60Hz;
- Weight: 45 kg;
- Power: 800 Watts;
- This product comes with the items: - 01 Resistance protective tray - 01 Stainless steel bowl lid - 02 extra fuses - Digital Instruction Manual with warranty term;

Benefits and Advantages

- Ensures savings in water consumption and greater efficiency in processes where they are used as closed systems for condenser cooling
- Clean, modern and compact design, taking up little space on the bench
- Internal and external 304 stainless steel cabinet, providing longer equipment life and ease of asepsis
- Microprocessor temperature control, which allows the system to operate stably at the desired set point, reducing variations or interference, which provides greater stability and efficiency in the processes
- HMI interface with touch screen panel, bringing an innovative concept that provides simplicity and better integration in the communication between users and the equipment
- Easy-to-handle drain spout, simplifying the water outlet for emptying the tank
- CFC (chlorofluorocarbon) free refrigeration system
- Insulation of the vat with elastomeric blanket, which has a longer useful life and provides an increase in the thermal efficiency of the equipment
- Safety thermostat against overheating, which guarantees automatic shutdown if the equipment exceeds a temperature of 70°C, preventing electrical damage to the resistance and providing safety
- Minimum water level sensor in the tank with automatic shutdown of the resistance and compressor for equipment safety
- Insulated and protected electrical panel, preventing it from being damaged in case of water leakage or any other occurrence resulting from use
- Equipment compatible with the DR protection system, which guarantees user safety against electric shocks
- Electric circuit according to IEC 60617, IEC 60445 and NBR 5410
- Easy access to the panel and internal parts for maintenance
- Hydraulic system with bronze pump, Push-in connections and PU hoses, which facilitate future maintenance and reduce load losses

Related Products