



# CHILLED WATER RECIRCULATION SYSTEM

## TE-186/1

Equipment used for various types of laboratory analysis and to optimize condensation in some equipment, cooling Friedrichs and Soxhlet condensers, rotary evaporators, reactors, bagasse digesters and others.

## Technical Characteristics

### TE-186/1

- Temperature range: Ambient temperature -5°C to 5°C;
- Temperature control: Digital microprocessor;
- Control type: ON-OFF with 3°C hysteresis;
- Temperature indicator: Digital display;
- Temperature sensor: PT-100 three-wire;
- Compressor: Hermetic 1/2 HP, with CFC-free R-134-A gas;
- Circulation pump: External (two outlets/two pumps);
- Circulation pump 1 and 2: Bronze pump tbhx-br 100w;
- Maximum flow capacity: 45 l/min;
- Maximum pressure: 6.5mca (pressure);
- Flow x pressure reference: 25l/min at 3.5mca;
- Safety: Minimum level switch to activate the controls only when there is water in the tank;
- Tank dimensions: W=400 x D=400 x H=400 mm;
- Volume: 50 liters;
- Dimensions: W=500 x D=680 x H=1150 mm;
- Weight: 50 kg;
- Power: 1000 Watts;
- Voltage: 220V+/-5% 50/60Hz;
- Accompanies: - 01 stainless steel bowl lid - Instruction manual with warranty term;

## Benefits and Advantages

- Hysteresis that allows the compressor to turn off and on when necessary providing energy savings
- Presence of 2 pumps that work independently
- Bowl with a volume of 50 liters practical to use
- Float switch to control water supply in the bowl
- Bowl in 304 stainless steel providing greater durability
- Castor system to facilitate the displacement of the equipment
- Possibility of working with gallery according to the clients needs
- Spaced coils that fill the entire internal peripheral space of the vat providing better heat exchange
- 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
- Possibility of adaptations according to the clients needs makes the equipment already of line a special equipment.