



# CONCENTRATOR

## TE-0194/1

Used to concentrate samples containing solvent residues from the extraction process, usually through a gas injection system (nitrogen or compressed air), which promotes faster evaporation than conventional methods of concentration. Thus, in addition to being one of the primary steps for the evaluation of samples by more advanced techniques, such as chromatography and mass spectrometry, it reduces the time of the analyzes.

## Technical Characteristics

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- Temperature: ambient + 7°C to 90°C;
- Temperature controller: Digital microprocessed with PID system ;
- Temperature sensor: PT-100;
- Control accuracy:  $\pm 1^{\circ}\text{C}$ ;
- Uniformity:  $\pm 2^{\circ}\text{C}$ ;
- Timer: Digital - Programmable until 99.59 minutes. The air flow ceases at the end of the scheduled time;
- Ambient operating temperature conditions: 5°C a 40°C;
- Environmental operating humidity conditions: 80% maximum relative humidity non-condensing;
- Capacity: 01 gallery with 50 tubes of 15 ml (It is not possible to use different tubes in the same gallery in the same analysis);
- Injection system: With 50 stainless steel nozzles  $\varnothing 0.4\text{mm}$  inclined, divided into 5 lines with 10 outlets controlled by solenoid valves.;
- Flow regulator: manual valve with pressure gauge from 0 to 0,25 bar;
- Safety: exhaust system built into the equipment;
- Vat dyes: 304 stainless steel with magnetic stirring;
- Cabinet: in carbon steel with anti-corrosion treatment and electrostatic painting;
- Dimensions of the vat dyes: L= 322 mm x D=175 mm x H=190 mm;
- Volume: 10 Litres;
- Dimensions: L= 565 mm x D=410 mm x H=410 mm;
- Weight: 35 kg;
- Power: 750 W;
- Voltage: 220 VAC  $\pm 5\%$  50/60Hz;
- Include: - 01 Gallery of 50 samples for  $\varnothing 16 \times 125\text{mm}$  tubes; - 01 exhaust hose oversleeve; - 01 Silicone hose No. 204 + teflon hose for gas inlet; - 02 Extra fuses; - 50 tubes of 15 ml in borosilicate glass; - 01 needle for cleaning the nozzles - 01 magnetic bar;

## Benefits and Advantages