



ROTARY EVAPORATOR

R-TE-214

Used for sample concentration and solvent distillation under controlled temperature and vacuum conditions.

Technical Characteristics

R-TE-214

- LED Display: Indicates speed, temperature, and time ;
- Operation: With water or oil, selectable by switch;
- Temperature Range: Ambient up to 180°C ;
- Accuracy: Water: $\pm 1^{\circ}\text{C}$ and Oil: $\pm 3^{\circ}\text{C}$;
- Evaporation Capacity: 1.56 L/h (reference: water) ;
- Bath Volume: 5 L ;
- Speed Range: 20 to 200 rpm ;
- Rotation: In both directions (clockwise and counterclockwise);
- Timer: Integrated ;
- Timer Adjustment Range: 1 to 999 s ;
- Lift System: Manual with auxiliary adjustment;
- Immersion Angle: Adjustable ;
- Motor: Brushless DC motor ;
- Temperature Control: Microprocessor-controlled with PID system ;
- Protection Class: IP20 ;
- Main Module Dimensions (L x W x H): 440 x 320 x 450 mm;
- Heating Bath Dimensions: 300 x 300 x 240 mm;
- Heating Power: 1200 W;
- Total Power: 1245 W ;
- Voltage/Frequency: 220 V – 50/60 Hz;
- Main Unit Weight: 7 kg ;
- Heating Bath Weight: 3 kg ;
- Includes: 1000 ml evaporation flask, 1000 ml receiving flask;

Benefits and Advantages

- Intuitive control panel, facilitating programming and operation by the user
- Adjustment of the evaporation system inclination and height, adapting to the analyst's needs
- Operation with rotation reversal and timing functions, providing greater process control
- Possibility of using the heating bath independently
- Vacuum operation reduces the solvent boiling point, preserving heat-sensitive samples
- Possibility of integration with a thermostatic bath for condenser cooling, increasing efficiency and reducing water consumption
- Simple switching between water and oil heating modes
- Lift system allows easy and precise glassware adjustment
- Microprocessor-based digital controller with PID system, ensuring greater temperature accuracy, stability, and uniformity.