

QC- Series Rotary Evaporator



Main Features

- Large LED display to easily set and monitor process parameters
- The touch keys and adjustable knob let you easily set the Rotation speed, heating temperature, operation time, and cycle times (clockwise and/or counterclockwise cycles).
- The device also comes with a mistouch prevention lock to avoid changes through accidental touch
- The adjustment knob can be turned fast or slow to change parameters rapidly or accurately.
- The 5L water-oil heating bath with heating temperature range of up to 180°C (oil)
- The device comes with a Brushless DC motor with rotation speeds ranging from 20 to 320 rpm
- Comes with PID temperature controller, overheat protection, dry-burning protection, and automatic power-off functions
- Double-layer vertical condenser with 1500cm² cooling surface for efficient vapor collection and sample recovery
- High elastic graphite filled PTFE seal and compression spring bring excellent sealing as well as high-temperature, corrosion, and abrasion resistances.
- Manual lift for precise positioning of the glassware; the lifting height ranges up to 180mm and the tilt angle range is 0-360° (evaporation flask can be positioned on the left or right side)
- Ejection mechanism ensures easy removal of evaporating flask

Technical Specifications:

Model	QC-131
Input Voltage, Frequency	AC 100V-240V, 50/60Hz
Motor Type	Brushless DC Motor
Max. Input Power of - Main Unit [W]	48W
Heating Power [W]	1300W
Temperature Range [°C]	Room temp.+5°C~90°C (Water), Room temp.+5°C~180°C (Oil)
Control Accuracy [°C]	Water±1.5°C, Oil ±3°C
Rotation Speed[rpm]	20 – 320 RPM
Speed Control/Increment[rpm]	Stepless speed Control. Increment: 1RPM
Clockwise and Anti-clockwise	Yes
Rotation Time Interval	5-999 s
Time Setting Range	1-999 min
Tilt Angle of Evaporation flask	0-360°
Lifting method	Manual
Stroke Displacement [mm]	180mm
Vacuum Degree	Max. 4mbar (3mmHg)
Heating Bath Capacity	5L
Display	LED
[DIN_EN60529] Protection Class	IP42
Overload Protection	Yes
Over-temperature Protection	When the temperature of PT1000 temperature sensor is 5°C more than the set temperature, the heating automatically shuts off
Permissible Ambient Temperature	5-40°C
Permissible Relative Humidity	80%
Dimension (W*D*H) [mm]	Main Unit: 400*320*540mm Heating Bath: 300*300*205mm
Weight (without glassware) [kg]	Main Unit: 8.6KG; Heating Bath: 3KG