

Rotary Evaporator

RV131

The **RV131 Rotary Evaporator** has wide applications in chemical, pharmaceutical, and biotechnology industries, R&D labs, and for quality assurance. The Large LED display along with touch keys and an adjustable knob helps you easily set process parameters. The Double-layer vertical condenser with 1500cm² cooling surface provides efficient vapor collection and sample recovery.



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

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Specifications

Model	RV131
Maximum evaporation flask size	3L
Input Voltage, Frequency	AC 100V-240V , 50/60Hz
Motor Type	Brushless DC Motor
Max. Input Power of - Main Unit	48W
Heating Power	1300W
Temperature Range	Room temp.+5°C~90°C (Water) Room temp.+5°C~180°C (Oil)
Control Accuracy	Water±1.5°C, Oil ±3°C
Rotation Speed	20 - 320 RPM
Speed Control/Increment	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	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 (WxDxH)	Main Unit: 400x320x540mm Heating Bath: 300x300x205mm
Weight (without glassware)	Main Unit: 8.6KG; Heating Bath: 3KG



Large LED display

Easily set and monitor process parameters

Touch keys and adjustable knob

Rotation speed, heating temperature, operation time, and cycle times control.

Mistouch prevention lock

Avoid changes through accidental touch

Double-layer vertical condenser with
1500cm² cooling surface
For efficient vapor collection &
sample recovery



0-360° tilt angle

(evaporation flask can be positioned
on the left or right side)

Graphite filled PTFE seal and
compression spring



Provides high-temperature,
corrosion, and abrasion resistances.

Manual lift height adjustment
range up to
180mm

Precise Positioning

