

Rotary Evaporator with Electronic Lift

RV231



The new RV231 model keeps all the features of the previous RV131. The main improvement is an updated electronic lift function, which makes adjusting the height of the unit easier than before. This new lift system is designed to be more intuitive and effortless, providing a smoother experience for users.

Rotary Evaporator

RV131/RV231

Specifications		
Model	RV131	RV231
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	Clockwise
Rotation Time Interval	5-999 s	
Time Setting Range	1-999 min	
Tilt Angle of Evaporation flask	0-360°	
Lifting method	Manual	Electronic
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	

Standard Glassware

	Accessory	Specification
	Condenser	Vertical Condenser
	Evaporation Flask	Volume: 1000ml Connector: #29/42
	Receiving Flask	Volume: 1000ml Connector: #35/20
	Vapour tube	Connector: #29/42
	Feeding valve (glass)	Connector: #19/26

Optional Glassware

	PN	Accessory	Specification
	RV131-EF02	Evaporation Flask	Volume: 2000ml Connector: #29/42
	RV131-EF03	Evaporation Flask	Volume: 3000ml Connector: #29/42
	RV131-RF02	Receiving Flask	Volume: 2000ml Connector: #35/20
	RV131-RF03	Receiving Flask	Volume: 3000ml Connector: #35/20
	RV131-FVTF	Feeding valve (Teflon)	Connector: #19/26
	RV131-BT10	Splash guard	Volume: 100ml Upper connector: #29/42 Lower connector: #29/42
	RV131-BT25	Splash guard	Volume: 250ml Upper connector: #29/42 Lower connector: #29/42
	RV131-DS05	Distilling Spider	Capacity: Supports simultaneous use of up to 5 evaporation flasks (single flask capacity ≤ 250 ml). Upper connector: #29/32 Lower connector: #24x5