

Rotary Evaporator (Lab-scale)

RLIFT-REV100-P RLIFT-REV100-S

Features



Patented double spring sealing ring made of PTFE provides an excellent sealing performance.



Condenser--cooling surface 1700cm²



5L heating bath with wide temperature range from room temp. to 180°C, Water/oil heating mode can be changed only through a switch.



Boil-dry protection, automatically power off if heating without water/oil in the heating bath.



Overheating protection temperature at 220°C.



Speed range from 20 to 280rpm, and interval operation in clockwise and anticlockwise directions for drying process.



Optional glassware with explosion proof film available.



Remote function provides PC control and data transmission.



Ejection mechanism ensures easy removal of evaporating flask.

The difference

REV100-P

Digital display of both rotation speed and heating temperature allows effective control of all distillation processes.
Automatic motor lift releases the evaporating flask to a safe position in case of power failure.

REV100-S

Manual lift combined with auxiliary lift for precise positioning of the glassware.



RLIFT-REV100-P



RLIFT-REV100-S

REV100-S heating bath independent temperature control,make it can be used separately.

Specifications

Model	RLIFT-REV100-P	RLIFT-REV100-S
Evaporating Flask Volume	50-3000ml (Standard configuration-1000ml) (Optional thickened glass axis compatible with 3L evaporating flask)	
Receiving Flask Volume	100-2000ml (Standard configuration-1000ml)	
Motor Type	Brushless DC motor	Brushless DC motor
Speed Range	20rpm-280rpm	20-200rpm
Display	LCD (speed, temperature, time)	LED (speed, temperature, time)
Clockwise and Anti-clockwise	Yes	Yes
Heating Temperature Range	Room temp. to 180℃	Room temp. to 180℃
Control Accuracy	water: ±1℃ oil: ±3℃	water: ±1℃ oil: ±3℃
Heating Power	1300W	1200W
Stroke Displacement	automatic 150mm	Manual 110mm + auxiliary100mm
Timer	Yes	Yes
Time Setting Range	1-999min	1-999min
Interval Time Setting Range	1~999s	1~999s
Dimension (D×W×H)	Main Unit:465*457*583mm	Main Unit: 440*320*450mm
	Heating Bath: 300*300*240mm	Heating Bath: 300*300*240mm
Weight	15kg	Main Unit: 7 kg Heating Bath: 3 kg
Permissible Ambient Temperature	5℃-40℃	5~40℃
Permissible Relative Humidity	80%RH	80%RH
Protection Class	IP20	IP20
USB Interface	Yes	Yes
Voltage/Frequency	100V-120V/200V-240V 50Hz/60Hz	100V~120V/200V~240V 50Hz/60 Hz
Power	1400 W	1245 W
Supporting products	REV100-P+ Diaphragm Vacuum Pump VACP-D410+Low Temperature Circulator RECL20-4.5+Vacuum Controller VACC100	

Accessories



Vertical

Cat. No.	Glassware type	Volume	Cooling surface
18900165	Evaporating flask (NS29/32) Receiving flask (KS35/20)	1000mL	1700cm ²
18900173	Evaporating flask (NS24/40) Receiving flask (KS35/20)	1000mL	1700cm ²
18900166	(COATED) Evaporating flask (NS29/32) Receiving flask (KS35/20)	1000mL	1700cm ²
18900174	(COATED) Evaporating flask (NS24/40) Receiving flask (KS35/20)	1000mL	1700cm ²
18202410	evaporating flask (NS 29/32) Receiv- ing flask (KS 35/20)	1000mL	1200cm ²
18900476	Evaporating flask (NS 24/40) Receiving flask (KS 35/20)	1000mL	1200cm ²

Diagonal

Cat. No.	Glassware type	Volume	Cooling surface
18900163	Evaporating flask (NS29/32) Receiving flask (KS35/20)	1000mL	1700cm ²
18900171	Evaporating flask (NS24/40) Receiving flask (KS35/20)	1000mL	1700cm ²
18900164	(COATED) Evaporating flask (NS29/32) Receiving flask (KS 35/20)	1000mL	1700cm ²
18900172	(COATED) Evaporating flask (NS24/40) Receiving flask (KS35/20)	1000mL	1700cm ²

Heating Bath Lid

Cat. No.	Description
18900547	Heating Bath lid for REV100-S, improve distillation efficiency & ensure personal safety from liquid splash

Foam brake

Cat. No.	Volume	Size
18300093	250ml	NS 29/32
18300207	250ml	NS 24/40

Evaporation tube

Cat. No.	Volume	Size
18100998	Glass axis	NS 29/32
18204253	Thickened glass axis	NS 29/32
18300206	Glass axis	NS 24/40
18203431	Thickened glass axis	NS 24/40

Evaporating flask

Cat. No.	Volume	Size
18300116	50mL	NS 29/32
18300117	100mL	NS 29/32
18300118	250mL	NS 29/32
18300119	500mL	NS 29/32
18300120	1000mL	NS 29/32
18300121	2000mL	NS 29/32
18300122	3000mL	NS 29/32
18300655	50mL	NS24/40
18300201	100mL	NS 24/40
18300202	250mL	NS 24/40
18300203	500mL	NS 24/40
18300204	1000m	NS 24/40
18300205	2000mL	NS 24/40
18900204	3000mL	NS 24/40

Vacuum regulator

Cat. No.	Volume
18900186	In use of control small volume, installed in a vacuum between VACC100 and vacuum system. Material: PVDF, PTFE, ABS, Borosilicate Glass, stainless Steel



18204186



18204187



18900190



18900188

Receiving flask

Cat. No.	Volume	Size
18300107	100ml	KS 35/20
18300108	250ml	KS 35/20
18300109	500ml	KS 35/20
18300110	1000ml	KS 35/20
18300111	2000ml	KS 35/20



Distilling spider with 5 flasks (without flask)

Cat. No.	Volume	Size
18900194	/	NS 29/32, NS24/29
18900177	/	NS 29/42, NS24/40



Connector

Cat. No.	Volume	Size
18300094	/	NS 29/32, NS24/29
18300095	/	NS 29/32, NS19/26
18300096	/	NS 29/32, NS14/23
18300199	/	NS24/40, NS19/22
18300200	/	NS 24/40, NS14/20
18900193	/	NS 24/40, NS 29/42



Seals and other accessories

Cat. No.	Volume
18204186	Vacuum seal (PTFE+Viton)
18204187	Evaporation bottle spring Used with 18204186
18900190	Evaporation flask clip(red)NS29/42
18900188	Evaporation flask clip(green)NS24/40