



ROTARY EVAPORATOR BFL1BM1 (BREV-103)

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LED DIGITAL ROTARY EVAPORATOR

LED Digital Rotary Evaporator is a basic chemical laboratory instrument suitable for evaporation, distillation and separation of chemicals. It can be used as a multifunctional system in combination with vacuum pump, vacuum controller and low temperature circulators to provide excellent distillation solutions in many laboratory applications.



5L heating bath with a wide temperature range (room temp. to 180°C).
Independent temperature control makes it can be used separately. Water/oil heating mode can be changed just through a switch
Manual lift combined with auxiliary lift for precise positioning of the glassware
PID control ensures high temperature accuracy at $\pm 1^{\circ}\text{C}$ (water)
Overheating protection temperature at 220°C
Boil-dry protection, automatically power off if heating without water/oil in the heating bath
Speed range from 20 to 200 rpm, timing interval operation in clockwise and anticlockwise directions for drying process
Condenser (cooling surface 1200/1700 cm² for selection), speeding up the flow rate

SPECIFICATIONS

Model	BFL1BM1
Old Model	BREV-103
Evaporating Flask Volume	50-3000mL (Optional Thickened glass axis compatible with 3L evaporating flask)
Motor Type	Brushless DC motor
Speed Range	20-200rpm
Display	LED(speed, temperature, time)
Direction of Rotation	Clockwise and counterclockwise
Heating Temperature Range	Room temp. to 180°C
Control Accuracy	water: $\pm 1^{\circ}\text{C}$ oil: $\pm 3^{\circ}\text{C}$
Evaporation capacity	Max.1.56L/h(H ₂ O)
Heating Power	1200W
Lift stroke	Manual 110mm + auxiliary 100mm
Interval Time Setting Range	1-999s
Dimension[DxWxH]	Main Unit: 440x320x450mm Heating Bath: 300x300x240mm
Weight	Main Unit: 7kg Heating Bath: 3kg
Permissible Ambient Temperature	5-40°C
Permissible Relative Humidity	80%RH
Protection Class	IP20
USB Interface	Yes
Voltage/Frequency	100-120/200-240V, 50/60Hz
Power	1245W
Alt Name	LED Digital Rotary Evaporator

ACCESSORIES FOR PURCHASE

No	Name	Description	Volume
1	Vertical Glassware	Evaporating flask(NS24/40) Receiving flask(KS35/20) Cooling surface:1700cm ²	1000mL

2	Vertical Glassware	(COATED) Evaporating flask(NS24/40) Receiving flask(KS35/20) Cooling surface:1700cm ²	1000mL
3	Vertical Glassware	Evaporating flask(NS 24/40) Receiving flask(KS 35/20) Cooling surface:1200cm ²	1000mL
4	Diagonal Glassware	Evaporating flask(NS24/40) Receiving flask(KS35/20) Cooling surface:1700cm ²	1000mL
5	Diagonal Glassware	(COATED) Evaporating flask(NS24/40) Receiving flask(KS35/20) Cooling surface:1700cm ²	1000mL
6	Heating bath	for Rotary Evaporator 110V	5L
7	Heating Bath Lid	for improves distillation efficiency & ensures personal safety from liquid splash	
8	Evaporating flask	Size: NS 24/40	5mL
9	Evaporating flask	Size: NS 24/40	10mL
10	Evaporating flask	Size: NS 24/40	250mL
11	Evaporating flask	Size: NS 24/40	500mL
12	Evaporating flask	Size: NS 24/40	1000mL
13	Evaporating flask	Size: NS 24/40	2000mL
14	Evaporating flask	Size: NS 24/40	3000mL
15	Evaporating flask for re200pro		20L
16	Receiving flask	Size: KS 35/20	100mL
17	Receiving flask	Size: KS 35/20	250mL
18	Receiving flask	Size: KS 35/20	500mL
19	Receiving flask	Size: KS 35/20	1000mL
20	Receiving flask	Size: KS 35/20	2000mL
21	Receiving flask	Size: KS 35/20	10L
22	Foam brake	Size: NS 24/40	250mL
23	Connector	Size: NS 24/40, NS 19/22	
24	Connector	Size: NS 24/40, NS 14/20	
25	Connector	Size: NS 24/40, NS 29/42	
26	Distilling spider with 5 flasks (without flask)	Size: NS 29/42, NS 24/40	

FEATURES

5L heating bath with a wide temperature range (room temp. to 180°C). Independent temperature control makes it can be used separately. Water/oil heating mode can be changed just through a switch

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

PID control ensures high temperature accuracy at $\pm 1^{\circ}\text{C}$ (water)

Overheating protection temperature at 220°C

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

Speed range from 20 to 200 rpm, timing interval operation in clockwise and anticlockwise directions for drying process

Condenser (cooling surface 1200/1700 cm² for selection), speeding up the flow rate of liquid with excellent cooling effect

Ejection mechanism ensures easy exchange of evaporating flask

Adjustable immersion angle

Double spring sealing ring which is made of PTFE provides an excellent sealing performance

Compatible with the entire range of glassware

Optional glassware with explosion proof film available

High temperature warning when above 50°C



Chemical resistance



Compatible with wide range of glassware



Overheating protection



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