



## ROTARY EVAPORATOR BFL1BL1

# ROTARY EVAPORATOR BFL1BL1

## DIGITAL ROTARY EVAPORATOR



Large LCD display  
USB connector  
Chemical resistance  
Overheating protection  
Compatible with all range of glassware  
Digital LCD display of both rotation speed and heating temperature allows for optimal control of all distillation processes  
Automatic motor lift releases the evaporating flask to a safe position in case of power failure  
5L heating bath with wide temperature range from room temperature to 180°C.  
Water/oil heating mode can be changed only through a switch  
Overheating protection temperature at 220°C

## SPECIFICATIONS

Model	BFL1BL1
Evaporating Flask Volume	50-3000mL (Optional Thickened glass axis compatible with 3L evaporating flask)
Motor Type	Brushless DC motor
Speed Range	20-280rpm
Display	LCD(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 <sub>2</sub> O)
Heating Power	1300W
Lift stroke	Motorized 150mm
Timer	Yes
Time Setting Range	1-999min
Dimension[DxWxH]	465x457x583mm
Weight	15kg
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	1400W
Alt Name	Digital Rotary Evaporator

## ACCESSORIES FOR PURCHASE

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

3	Vertical Glassware	Evaporating flask(NS 24/40) Receiving flask(KS 35/20) Cooling surface:1200cm <sup>2</sup>	1000mL
4	Diagonal Glassware	Evaporating flask(NS24/40) Receiving flask(KS35/20) Cooling surface:1700cm <sup>2</sup>	1000mL
5	Diagonal Glassware	(COATED) Evaporating flask(NS24/40) Receiving flask(KS35/20) Cooling surface:1700cm <sup>2</sup>	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



Large LCD display



USB connector



Chemical resistance



Overheating protection



Compatible with all range of glassware

Digital LCD display of both rotation speed and heating temperature allows for optimal control of all distillation processes

Automatic motor lift releases the evaporating flask to a safe position in case of power failure

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

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 280 rpm, and interval operation in clockwise and anticlockwise directions for drying process

Condenser (cooling surface 1700 cm<sup>2</sup>) with excellent cooling effect

Ejection mechanism ensures easy removal of evaporating flask

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

Optional glassware with explosion-proof film available.

## APPLICATIONS

It is highly used in chemical industries, pharmaceutical industries and also higher learning institutions.



**Biolab Scientific Ltd.**

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: [info@biolabscientific.com](mailto:info@biolabscientific.com) | Website: [www.biolabscientific.com](http://www.biolabscientific.com)