



ROTARY EVAPORATOR

ROTARY EVAPORATOR BFL1BM1

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	1000m L

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

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 ₂ 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 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
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25	Connector	Size: NS 24/40, NS 29/42	

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 cm²) 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.

ROTARY EVAPORATOR BFL1BN1

INDUSTRIAL DIGITAL ROTARY EVAPORATOR



Large LCD digital display with heating temperature, rotation speed, clockwise & anticlockwise and time information
 One-click automatic motor lifting (stroke 180mm), smooth and silent
 Water/oil heating bath with wide temperature range from RT to 180 °C
 Speed range from 10 to 150 rpm, and interval operation in clockwise and anticlockwise directions for drying process
 Two-section vertical triple coil condensing tube with large area and strong evaporation capacity ensuring high-efficiency sample recovery
 The connector device allows for easy and quick installation of the evaporating flask
 PTFE double sealing ring with excellent sealing performance
 Switch valve for continuous collection without compromising the system vacuum an

SPECIFICATIONS

Model	BFL1BN1
Temperature range	Room temp. ~180°C (water and oil bath)
Temperature control accuracy	Water: ±1°C Oil: ±3°C
Rotation Speed	10~150rpm
Ultimate vacuum	Less 2.6mbar
Evaporation capacity	Max. 4.5L/h (75% Alcohol)
Temperature control	Micro processor PID control
Display	LCD (temperature/speed/clockwise and Anti-clockwise/time)
Time Setting Range	0-999min
Lift stroke	Motorized 180mm
Safety features	Motor over-current protection, earth-leakage protection, lifting overload protection, Boil-dry protection, Overheating protection
Evaporation flask	Round flask 20L
Receiving flask	Round flask 10L with drain valve
Condenser	Two-section vertical triple coil condenser, cooling surface 1.2m ²
Heating bath size	Ø 450x240mm
Hose connection	Cooling/suction nozzle outer diameter 16mm, vacuum pump nozzle outer diameter 16mm
Dimension[DxWxH]	1160x600x1860mm
Voltage/Frequency	220V/50/60Hz
Power	4600W
Heating Power	4400W
Alt Name	Industrial 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

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FEATURES

Large LCD digital display with heating temperature, rotation speed, clockwise & anticlockwise and time information

One-click automatic motor lifting (stroke 180mm), smooth and silent

Water/oil heating bath with wide temperature range from RT to 180 °C

Speed range from 10 to 150 rpm, and interval operation in clockwise and anticlockwise directions for drying process

Two-section vertical triple coil condensing tube with large area and strong evaporation capacity ensuring high-efficiency sample recovery

The connector device allows for easy and quick installation of the evaporating flask

PTFE double sealing ring with excellent sealing performance

Switch valve for continuous collection without compromising the system vacuum and solvent distillation.



Two-section vertical triple coil condenser:

large condensation area and strong evaporation capacity ensuring high efficient sample recovery.



Switching valve design:

switch valve for continuous collection without compromising the system vacuum and solvent distillation.



Heating bath

Water & oil bath

Enhanced lifetime through exclusive use of corrosion-free stainless-steel

It adopts special heat insulation structure design so the surface temperature is far lower than the temperature in the bath to avoid personnel burns.



Large LCD display



Overheating protection



Chemical resistance

APPLICATIONS

Suitable for pilot-scale production, large-scale application in biology engineering, pharmaceutical industry, chemical industry, beauty industry, medical industry and food processing.



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