



## ROTARY EVAPORATOR BREV-103

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Rotary Evaporator is an essential instrument in laboratory for the efficient and gentle removal of solvents from samples by evaporation. Besides, it provides excellent distilling solution in a wide range of applications. It can be used as a multi-functional system in combination with vacuum pump, vacuum controller and circulating refrigerators which makes it an unique choice for the laboratory.

Used in Evaporation, Distillation, Separation of chemicals, Drying, Extraction, Recovery, Chemical Laboratory, Biological Laboratory, Pharmaceutical.

Also known as Rotovap, Rotavapor, Laboratory Rotary Evaporator, Laboratory Rotovap.

## BREV-103 ROTARY EVAPORATOR



Water/oil heating mode can be changed only through a switch.

Safety: Motor over-current protection, Residual Current Device, lifting overload protection, Boil-dry protection, over-temperature protection.

Timing interval operation in clockwise and anticlockwise directions for drying process.

Excellent cooling effect.

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

## SPECIFICATIONS

Model	BREV-103
Motor Type	Brushless DC motor
Motor Lift	Manual
Speed Range	20-200 rpm
Display	LED(speed, temperature, time)
Clockwise and Anti-clockwise	Yes
Heating Temperature Range	Room temp. to 180°C
Control Accuracy	water: $\pm 1^{\circ}\text{C}$ oil: $\pm 3^{\circ}\text{C}$
Heating Power	1010 W
Stroke Displacement	Manual 110 mm + auxiliary 100 mm
Adjustable Immersion Angle	Yes
Condenser	Patented (cooling surface 1200/1700 cm <sup>2</sup> for selection), double helix condensing tube + center circular arc design to speed up the flow rate of liquid.
Interval Time Setting Range	1~999 s
Heating Bath Size	5 L
Permissible Ambient Temperature	5-40°C
Permissible Relative Humidity	80%RH
Protection Class	IP20
Over Protection Temperature	220°C
USB Interface	Yes
Dimension[L×W×H]	440x320x450 mm Heating Bath: 300x300x240 mm
Weight	7 kg Heating Bath: 3 kg
Voltage / Frequency	100~120/200~240 V 50/60 Hz

Power	1100 W
Notes	Ejection mechanism ensures easy exchange of evaporating flask. Remote function provides PC control and data transmission.

## OPTIONAL ACCESSORIES

Accessory Code	Name	Power	Description	Type	Volume	Size
5600606006	Vacuum Controller	100/220 V 50/60 Hz				
5600606007	Chemical Resistant Vacuum Pump	110/220 V; 50/60 Hz				
5600606008	Chemistry Design Diaphragm Pump	100/120 V; 200-230V 50/60 Hz				
5600606009	Vacuum Pump	220 V/50 Hz				
5600606010	Glassware		Including condenser(1700 cm <sup>2</sup> ); evaporating flask (NS 29/32) and receiving flask (KS 35/20)	Vertical	1000 ml	
5600606012	Glassware		With anti-explosion film, including condenser(1700 cm <sup>2</sup> ); evaporating flask (NS 29/32) and receiving flask (KS 35/20)	Vertical	1000 ml	
5600606011	Glassware		Including condenser(1700 cm <sup>2</sup> ); evaporating flask (NS 24/40) and receiving flask (KS 35/20)	Vertical	1000 ml	
5600606013	Glassware		Including condenser(1700 cm <sup>2</sup> ); evaporating flask (NS 29/32) and receiving flask (KS 35/20)	Diagonal	1000 ml	
5600606014	Glassware		Including condenser(1700cm <sup>2</sup> ); evaporating flask (NS 24/40) and receiving flask (KS 35/20)	Diagonal	1000 ml	
5600608006	Glassware		Including condenser(1200 cm <sup>2</sup> ); evaporating flask (NS 29/32) and receiving flask (KS 35/20)	Vertical	1000 ml	
5600608007	LED Heating Bath	220 V			5 L	
5600608008	LED Heating Bath	110 V			5 L	
5600606017	Evaporating Flask				50 ml	NS 29/32
5600606018	Evaporating Flask				100 ml	NS 29/32
5600606019	Evaporating Flask				250 ml	NS 29/32
5600606020	Evaporating Flask				500 ml	NS 29/32
5600606021	Evaporating Flask				1000 ml	NS 29/32
5600606022	Evaporating Flask				2000 ml	NS 29/32
5600606023	Evaporating Flask				50 ml	NS24/40
5600606024	Evaporating Flask				100 ml	NS 24/40
5600606025	Evaporating Flask				250 ml	NS 24/40
5600606026	Evaporating Flask				500 ml	NS 24/40
5600606027	Evaporating Flask				1000 ml	NS 24/40
5600606028	Evaporating Flask				2000 ml	NS 24/40
5600606029	Receiving Flask				100 ml	KS 35/20
5600606030	Receiving Flask				250 ml	KS 35/20
5600606031	Receiving Flask				500 ml	KS 35/20

5600606032	Receiving Flask				1000 ml	KS 35/20
5600606033	Receiving Flask				2000 ml	KS 35/20
5600606034	Connector					NS 29/32; NS24/29
5600606035	Connector					NS 29/32; NS19/26
5600606036	Connector					NS 29/32; NS14/23
5600606037	Connector					NS24/40; NS19/22
5600606038	Connector					NS 24/40; NS14/20
5600606039	Connector					NS 24/40; NS 29/42
5600606040	Foam Brake				250 ml	NS 29/32
5600606041	Foam brake				250 ml	NS 24/40
5600606042	Vapor Tube					NS 29/32
5600606043	Vapor Tube					NS 24/40
5600606044	Distillation Spider Flask				50 ml	NS 29/32
5600606045	Distillation Spider Flask				50 ml	NS24/40
5600606046	Rubber Ring					
5600606047	Ether Rubber Ring					
5600606048	Evaporation Flask Clip					
5600606049	Evaporation Flask Clip					
5600606050	Vacuum Regulator					
5600606051	Low Temperature Circulator	220 V; 50/60 Hz				
5600606052	Low Temperature Circulator	110/220 V; 50/60 Hz				



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