BioLAB

PRODUCT CATALOG

ROTARY EVAPORATOR

CE ISO9001 CERTIFIED

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ROTARY EVAPORATOR

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.

100 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-101	BREV-102	BREV-103
Motor Type	Brushless DC motor	-	Brushless DC motor
Motor Lift	Automatic		Manual
Speed Range	20-280 rpm	-	20-200 rpm
Display	LCD(speed, temperature, time)	LCD (temperature/speed/clockwise and Anti-clockwise/time)	LED(speed, temperature, time)
Temperature control method	PID control	Micro processer PID control	-
Clockwise and Anti-clockwise	Yes	-	Yes
Heating Temperature Range	Room temp. to 180°C	Room temp. to 180°C (both water and oil)	Room temp. to 180°C
Control Accuracy	water: ±1°C oil: ±3°C		
Heating Power	1300 W	-	1010 W
Stroke Displacement	Automatic 150 mm	Automatic 180 mm	Manual 110 mm + auxiliary100 mm
Adjustable Immersion Angle	No		Yes
Condenser	Patented (cooling surface 1700 cm^2)	Two-section vertical triple serpentine condenser, cooling surface 1.2 m^2	Patented (cooling surface 1200/1700 cm^2 for selection), double helix condensing tube + center circular arc design to speed up the flow rate of liquid.
Timer	Yes	-	-
Time Setting Range	1-999 min	-	-
Heating Bath Size	5 L	ϕ450×240 mm	5 L

Permissible Ambient Temperature	5-40℃	-	5-40℃
Permissible Relative Humidity	80%RH	-	80%RH
Protection Class	IP20	-	IP20
Over Protection Temperature	220℃	-	220℃
USB Interface	Yes	-	Yes
Dimension[L×W×H]	465×457×583 mm	1160x600x1860 mm	440x320x450 mm Heating Bath: 300x300x240 mm
Weight	15 kg	-	7 kg Heating Bath: 3 kg
Voltage / Frequency	100-120/200-240 V 50/60 Hz	220 V/ 50/60 Hz	100~120/200~240 V 50/60 Hz
Power	1400 W	4600 W	1100 W
Notes	Ejection mechanism ensures easy removal of evaporating flask. Remote function provides PC control and data transmission.	Three-layer high-efficiency condensing tube with large condensation area and strong evaporation capacity, ensuring efficient sample recovery. A switching valve for continuous collection without compromising the system vacuum and solvent distillation.	Ejection mechanism ensures easy exchange of evaporating flask. Remote function provides PC control and data transmission.
Evaporation Capacity	-	Max.4.0 L/h (water vapor volume)	-
Ultimate Vacuum	-	Less 2.6 hpa	-
Rotation Speed	-	10-150 rpm	-
Sample Flask	-	Round flask 20L	-
Receiving Flask	-	Round flask 10 L with drain valve	-
Takeover Caliber	-	Cooling/suction nozzle outer diameter 16 mm, vacuum pump nozzle outer diameter 16 mm	-
Interval Time Setting Range	-	-	1~999 s

OPTIONAL ACCESSORIES

Accessory Code	Name	Power	Description	Type	Volume	Size	For Models
5600606006	Vacuum Controller	100/220 V 50/60 Hz					BREV-101, BREV-103
5600606007	Chemical Resistant Vacuum Pump	110/220 V; 50/60 Hz					BREV-101, BREV-103
5600606008	Chemistry Design Diaphragm Pump	100/120 V; 200-230V 50/60 Hz					BREV-101, BREV-103
5600606009	Vacuum Pump	220 V/50 Hz					BREV-101, BREV-103
5600606010	Glassware		Including condenser(1700 cm^2); evaporating flask (NS 29/32) and receiving flask (KS 35/20)	Vertical	1000 ml		BREV-101, BREV-103
5600606012	Glassware		With anti-explosion film，including condenser(1700 cm^2); evaporating flask (NS 29/32) and receiving flask (KS 35/20)	Vertical	1000 ml		BREV-101, BREV-103

5600606011	Glassware		Including condenser(1700 cm^2); evaporating flask (NS 24/40) and receiving flask (KS 35/20)	Vertical	1000 ml		BREV-101, BREV-103
5600606013	Glassware		Including condenser(1700 cm^2); evaporating flask (NS 29/32) and receiving flask (KS 35/20)	Diagonal	1000 ml		BREV-101, BREV-103
5600606014	Glassware		Including condenser(1700cm^2); evaporating flask (NS 24/40) and receiving flask (KS 35/20)	Diagonal	1000 ml		BREV-101, BREV-103
5600606015	Heating Bath	220 V			5 L		BREV-101
5600606016	Heating Bath	110 V			5 L		BREV-101
5600606017	Evaporating Flask				50 ml	NS 29/32	BREV-101, BREV-103
5600606018	Evaporating Flask				100 ml	NS 29/32	BREV-101, BREV-103
5600606019	Evaporating Flask				250 ml	NS 29/32	BREV-101, BREV-103
5600606020	Evaporating Flask				500 ml	NS 29/32	BREV-101, BREV-103
5600606021	Evaporating Flask				1000 ml	NS 29/32	BREV-101, BREV-103
5600606022	Evaporating Flask				2000 ml	NS 29/32	BREV-101, BREV-103
5600606023	Evaporating Flask				50 ml	NS24/40	BREV-101, BREV-103
5600606024	Evaporating Flask				100 ml	NS 24/40	BREV-101, BREV-103
5600606025	Evaporating Flask				250 ml	NS 24/40	BREV-101, BREV-103
5600606026	Evaporating Flask				500 ml	NS 24/40	BREV-101, BREV-103
5600606027	Evaporating Flask				1000 ml	NS 24/40	BREV-101, BREV-103
5600606028	Evaporating Flask				2000 ml	NS 24/40	BREV-101, BREV-103
5600606029	Receiving Flask				100 ml	KS 35/20	BREV-101, BREV-103
5600606030	Receiving Flask				250 ml	KS 35/20	BREV-101, BREV-103
5600606031	Receiving Flask				500 ml	KS 35/20	BREV-101, BREV-103
5600606032	Receiving Flask				1000 ml	KS 35/20	BREV-101, BREV-103
5600606033	Receiving Flask				2000 ml	KS 35/20	BREV-101, BREV-103
5600606034	Connector					NS 29/32; NS24/29	BREV-101, BREV-103
5600606035	Connector					NS 29/32; NS19/26	BREV-101, BREV-103
5600606036	Connector					NS 29/32; NS14/23	BREV-101, BREV-103

5600606037	Connector					NS24/40; NS19/22	BREV-101, BREV-103
5600606038	Connector					NS 24/40; NS14/20	BREV-101, BREV-103
5600606039	Connector					NS 24/40; NS 29/42	BREV-101, BREV-103
5600606040	Foam Brake				250 ml	NS 29/32	BREV-101, BREV-103
5600606041	Foam brake				250 ml	NS 24/40	BREV-101, BREV-103
5600606042	Vapor Tube					NS 29/32	BREV-101, BREV-103
5600606043	Vapor Tube					NS 24/40	BREV-101, BREV-103
5600606044	Distillation Spider Flask				50 ml	NS 29/32	BREV-101, BREV-103
5600606045	Distillation Spider Flask				50 ml	NS24/40	BREV-101, BREV-103
5600606046	Rubber Ring						BREV-101, BREV-103
5600606047	Ether Rubber Ring						BREV-101, BREV-103
5600606048	Evaporation Flask Clip						BREV-101, BREV-103
5600606049	Evaporation Flask Clip						BREV-101, BREV-103
5600606050	Vacuum Regulator						BREV-101, BREV-103
5600606051	Low Temperature Circulator	220 V; 50/60 Hz					BREV-101, BREV-103
5600606052	Low Temperature Circulator	110/220 V; 50/60 Hz					BREV-101, BREV-103
5600608006	Glassware		Including condenser(1200 cm^2); evaporating flask (NS 29/32) and receiving flask (KS 35/20)	Vertical	1000 ml		BREV-103
5600608007	LED Heating Bath	220 V			5 L		BREV-103
5600608008	LED Heating Bath	110 V			5 L		BREV-103

BREV-101

BREV-102

BREV-103

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