

ROTARY EVAPORATOR



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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.

REV11-150D 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	REV11-150D
Motor Type	Brushless DC motor
Motor Lift	Automatic
Speed Range	20-280 rpm
Display	LCD(speed, temperature, time)
Temperature control method	PID control
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	1300 W
Stroke Displacement	Automatic 150 mm
Adjustable Immersion Angle	No
Condenser	Patented (cooling surface 1700 cm ²)
Timer	Yes
Time Setting Range	1-999 min
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]	465×457×583 mm
Weight	15 kg
Voltage / Frequency	100-120/200-240 V 50/60 Hz
Power	1400 W
Notes	Ejection mechanism ensures easy removal of evaporating flask. Remote function provides PC control and data transmission.

OPTIONAL ACCESSORIES

Accessory Code	Name	Power	Description	Type	Volume	Size
5500505005	Vacuum Controller	100/220 V 50/60 Hz				
5500505006	Chemical Resistant Vacuum Pump	110/220 V; 50/60 Hz				
5500505007	Chemistry Design Diaphragm Pump	100/120 V; 200-230V 50/60 Hz				
5500505008	Vacuum Pump	220 V/50 Hz				
5500505009	Glassware		Including condenser(1700 cm ²); evaporating flask (NS 29/32) and receiving flask (KS 35/20)	Vertical	1000 ml	
5500505011	Glassware		With anti-explosion film, including condenser(1700 cm ²); evaporating flask (NS 29/32) and receiving flask (KS 35/20)	Vertical	1000 ml	
5500505010	Glassware		Including condenser(1700 cm ²); evaporating flask (NS 24/40) and receiving flask (KS 35/20)	Vertical	1000 ml	
5500505012	Glassware		Including condenser(1700 cm ²); evaporating flask (NS 29/32) and receiving flask (KS 35/20)	Diagonal	1000 ml	
5500505013	Glassware		Including condenser(1700cm ²); evaporating flask (NS 24/40) and receiving flask (KS 35/20)	Diagonal	1000 ml	
5500505014	Heating Bath	220 V			5 L	
5500505015	Heating Bath	110 V			5 L	
5500505016	Evaporating Flask				50 ml	NS 29/32
5500505017	Evaporating Flask				100 ml	NS 29/32
5500505018	Evaporating Flask				250 ml	NS 29/32
5500505019	Evaporating Flask				500 ml	NS 29/32
5500505020	Evaporating Flask				1000 ml	NS 29/32
5500505021	Evaporating Flask				2000 ml	NS 29/32
5500505022	Evaporating Flask				50 ml	NS24/40
5500505023	Evaporating Flask				100 ml	NS 24/40
5500505024	Evaporating Flask				250 ml	NS 24/40
5500505025	Evaporating Flask				500 ml	NS 24/40
5500505026	Evaporating Flask				1000 ml	NS 24/40
5500505027	Evaporating Flask				2000 ml	NS 24/40
5500505028	Receiving Flask				100 ml	KS 35/20
5500505029	Receiving Flask				250 ml	KS 35/20
5500505030	Receiving Flask				500 ml	KS 35/20

5500505031	Receiving Flask				1000 ml	KS 35/20
5500505032	Receiving Flask				2000 ml	KS 35/20
5500505033	Connector					NS 29/32; NS24/29
5500505034	Connector					NS 29/32; NS19/26
5500505035	Connector					NS 29/32; NS14/23
5500505036	Connector					NS24/40; NS19/22
5500505037	Connector					NS 24/40; NS14/20
5500505038	Connector					NS 24/40; NS 29/42
5500505039	Foam Brake				250 ml	NS 29/32
5500505040	Foam brake				250 ml	NS 24/40
5500505041	Vapor Tube					NS 29/32
5500505042	Vapor Tube					NS 24/40
5500505043	Distillation Spider Flask				50 ml	NS 29/32
5500505044	Distillation Spider Flask				50 ml	NS24/40
5500505045	Rubber Ring					
5500505046	Ether Rubber Ring					
5500505047	Evaporation Flask Clip					
5500505048	Evaporation Flask Clip					
5500505049	Vacuum Regulator					
5500505050	Low Temperature Circulator	220 V; 50/60 Hz				
5500505051	Low Temperature Circulator	110/220 V; 50/60 Hz				

REV12-180D 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	REV12-180D
Evaporation Capacity	Max.4.0 L/h (water vapor volume)
Motor Lift	Automatic
Ultimate Vacuum	Less 2.6 hpa

Rotation Speed	10-150 rpm
Display	LCD (temperature/speed/clockwise and Anti-clockwise/time)
Temperature control method	Micro processor PID control
Heating Temperature Range	Room temp. to 180°C (both water and oil)
Control Accuracy	water: ±1°C oil: ±3°C
Stroke Displacement	Automatic 180 mm
Sample Flask	Round flask 20L
Receiving Flask	Round flask 10 L with drain valve
Adjustable Immersion Angle	No
Condenser	Two-section vertical triple serpentine condenser, cooling surface 1.2 m ²
Takeover Caliber	Cooling/suction nozzle outer diameter 16 mm, vacuum pump nozzle outer diameter 16 mm
Heating Bath Size	φ450×240 mm
Dimension[L×W×H]	1160x600x1860 mm
Voltage / Frequency	220 V/ 50/60 Hz
Power	4600 W
Notes	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.

REV13-110D 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	REV13-110D
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: ±1°C oil: ±3°C
Heating Power	1010 W
Stroke Displacement	Manual 110 mm + auxiliary 100 mm
Adjustable Immersion Angle	Yes
Condenser	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.

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
5500505005	Vacuum Controller	100/220 V 50/60 Hz				
5500505006	Chemical Resistant Vacuum Pump	110/220 V; 50/60 Hz				
5500505007	Chemistry Design Diaphragm Pump	100/120 V; 200-230V 50/60 Hz				
5500505008	Vacuum Pump	220 V/50 Hz				
5500505009	Glassware		Including condenser(1700 cm ²); evaporating flask (NS 29/32) and receiving flask (KS 35/20)	Vertical	1000 ml	
5500505011	Glassware		With anti-explosion film, including condenser(1700 cm ²); evaporating flask (NS 29/32) and receiving flask (KS 35/20)	Vertical	1000 ml	
5500505010	Glassware		Including condenser(1700 cm ²); evaporating flask (NS 24/40) and receiving flask (KS 35/20)	Vertical	1000 ml	
5500505012	Glassware		Including condenser(1700 cm ²); evaporating flask (NS 29/32) and receiving flask (KS 35/20)	Diagonal	1000 ml	
5500505013	Glassware		Including condenser(1700cm ²); evaporating flask (NS 24/40) and receiving flask (KS 35/20)	Diagonal	1000 ml	
5500507005	Glassware		Including condenser(1200 cm ²); evaporating flask (NS 29/32) and receiving flask (KS 35/20)	Vertical	1000 ml	
5500507006	LED Heating Bath	220 V			5 L	
5500507007	LED Heating Bath	110 V			5 L	
5500505016	Evaporating Flask				50 ml	NS 29/32
5500505017	Evaporating Flask				100 ml	NS 29/32
5500505018	Evaporating Flask				250 ml	NS 29/32
5500505019	Evaporating Flask				500 ml	NS 29/32
5500505020	Evaporating Flask				1000 ml	NS 29/32

5500505021	Evaporating Flask				2000 ml	NS 29/32
5500505022	Evaporating Flask				50 ml	NS24/40
5500505023	Evaporating Flask				100 ml	NS 24/40
5500505024	Evaporating Flask				250 ml	NS 24/40
5500505025	Evaporating Flask				500 ml	NS 24/40
5500505026	Evaporating Flask				1000 ml	NS 24/40
5500505027	Evaporating Flask				2000 ml	NS 24/40
5500505028	Receiving Flask				100 ml	KS 35/20
5500505029	Receiving Flask				250 ml	KS 35/20
5500505030	Receiving Flask				500 ml	KS 35/20
5500505031	Receiving Flask				1000 ml	KS 35/20
5500505032	Receiving Flask				2000 ml	KS 35/20
5500505033	Connector					NS 29/32; NS24/29
5500505034	Connector					NS 29/32; NS19/26
5500505035	Connector					NS 29/32; NS14/23
5500505036	Connector					NS24/40; NS19/22
5500505037	Connector					NS 24/40; NS14/20
5500505038	Connector					NS 24/40; NS 29/42
5500505039	Foam Brake				250 ml	NS 29/32
5500505040	Foam brake				250 ml	NS 24/40
5500505041	Vapor Tube					NS 29/32
5500505042	Vapor Tube					NS 24/40
5500505043	Distillation Spider Flask				50 ml	NS 29/32
5500505044	Distillation Spider Flask				50 ml	NS24/40
5500505045	Rubber Ring					
5500505046	Ether Rubber Ring					
5500505047	Evaporation Flask Clip					
5500505048	Evaporation Flask Clip					
5500505049	Vacuum Regulator					
5500505050	Low Temperature Circulator	220 V; 50/60 Hz				
5500505051	Low Temperature Circulator	110/220 V; 50/60 Hz				

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