RE100-S LED Digital Rotary Evaporator

Features



- 5L heating bath with a wide temperature range (room temp.to 180°C).
- Manual lift combined with auxiliary lift for precise positioning of the glassware
- PID control.
- Overheating protection temperature at 220°C
- Boil-dry protection.
- Speed range from 20 to 200rpm, timing interval operation in clockwise and anticlockwise directions for drying process
- Condenser (cooling surface 1200/1700cm2 for selection).
- 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 RE100-Pro glassware
- High temperature warning when above 50°C

Technical Parameters

Model	RE100-S
Evaporating Flask Volume	50-3000mL
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℃
Control Accuracy	water: ±1℃ oil: ±3℃
Evaporation capacity	Max.1.56L/h(H2O)
Heating Power	1200W
Lift stroke	Manual 110mm+auxiliary 100mm
Interval Time Setting Range	1-999s
Dimension[D×W×H]	Main Unit: 440x320x450mm Heating Bath: 300x300x240mm
Weight	Main Unit:7kg Heating Bath:3kg
Permissible Ambient Temperature	5-40℃
Permissible Relative Humidity	80%RH
Protection Class	IP20
USB Interface	Yes
Voltage/Frequency	100-120/200-240V,50/60HZ
Power	1245W

Configuration

Vertical

Cat.No.	Glassware Type	Volume	Cooling Surface
18900165	Evaporating Flask(NS29/32)	1000ml	1700cm²
18900173	Evaporating Flask(NS24/40) Receiving Flask(KS35/20)	1000ml	1700cm²
18900166	(COATED)Evaporating Flask(NS29/32) Receiving Flask(KS35/20)	1000ml	1700cm²
18900174	(COATED)Evaporating Flask(NS24/40) Receiving Flask(KS35/20)	1000ml	1700cm²
18202410	Evaporating Flask(NS29/32) Receiving Flask(KD 35/20)	1000ml	1700cm²
18900476	Evaporating Flask(NS24/40) Receiving Flask(KD 35/20)	1000ml	1700cm²

Diagonal

Cat.No.	Glassware Type	Volume	Cooling Surface
18900163	Evaporating Flask(NS29/32) Receiving Flask(KD35/20)	1000ml	1700cm²
18900171	Evaporating Flask(NS24/40) Receiving Flask(KS35/20)	1000ml	1700cm²
18900164	(COATED)Evaporating Flask(NS29/32) Receiving Flask(KS35/20)	1000ml	1700cm²
18900172	(COATED)Evaporating Flask(NS24/40) Receiving Flask(KS35/20)	1000ml	1700cm²

Heating Bath

Cat.No.	Glassware Type
18900547	Heating Bath lid for RE100-S,improve distillation efficency & splash

Receiving Flask

Cat.No.	Volume	Size
18300107	100ml	KS 35/20
18300108	250ml	KS 35/20
18300109	500ml	KS 35/20
18300110	1000ml	KS 35/20
18300111	2000ml	KS 35/20
18900564	10L	RE 200-Pro

- **Evaporating Flask**

Cat.No.	Glassware Type	Size
18300116	50ml	NS 29/32
18300117	100ml	NS 29/32
18300118	250ml	NS 29/32
18300119	500ml	NS 29/32
18300120	1000ml	NS 29/32
18300121	2000ml	NS 29/32
18300122	3000ml	NS 29/32
18300655	50ml	NS 24/40
18300201	100ml	NS 24/40
18300202	250ml	NS 24/40
18300203	500ml	NS 24/40
18300204	1000ml	NS 24/40
18300205	2000ml	NS 24/40
18900204	3000ml	NS 24/40
18900563	20L	RE 200-Pro

- **Distilling spider with 5 flasks(without flask)**

Cat.No.	Glassware Type	Size
18900194	/	NS 29/32 ; NS 24/29
18900177	/	NS 29/42 ; NS 24/40

- **Connector**

Cat.No.	Glassware Type	Size
18300094	/	NS 29/32 ; NS 24/29
18300095	/	NS 29/32 ; NS 19/26
18300096	/	NS 29/32 ; NS 14/23
18300199	/	NS 24/40 ; NS 19/22
18300200	/	NS 24/40 ; NS 14/20
18300193	/	NS 24/40 ; NS 29/42