

RE100-S

LED Digital Rotary Evaporator

DLAB 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.

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 200rpm, timing interval operation in clockwise and anticlockwise directions for drying process
- Condenser (cooling surface 1200/1700cm² 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 RE100-Pro glassware
- Optional glassware with explosion proof film available
- High temperature warning when above 50°C



Chemical resistance



Overheating protection



Compatible with wide range of glassware



Specifications	RE100-S
Evaporating Flask Volume	50-3000mL
Motor Type	50-3000mL Brushless DC motor
Evaporation capacity	Max.1.56L/h(H2O)
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(H2O)
Heating Power	1200W
Lift stroke	Manual 110mm+auxiliary 100mm
Interval Time Setting Range	1-999s
Dimension[D×W×H]	Main Unit:440×320×450mm Heating Bath:300×300×240mm
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

Optional Add-ons

Distillation System Connection (For RE100-Pro&RE100-S)



C410



C410 Chemistry-design diaphragm pump













Specifications

Maximum Vacuum:13mbar
Work Mode: Continuous Operation
Nozzle Size:8mm, Power: 95W
Motor speed:1450rpm
Flow Rate:


mbar	1000	880	750	600	480	280
L/min	25	22	20	12	7.5	5

Noise:50dB

Seals and other accessories

Cat. No.	Description	
18901103	vacuum seal (PTFE+Viton)	
18900190	Evaporation flask clip(red) NS29/42	
18900188	Evaporation flask clip(green) NS24/40	
18901001	Evaporation flask clip(Black) , NS24/40, Adapted to 3L/5L Evaporating flask	
18901002	Evaporation flask clip(Black) , NS29/32, Adapted to 3L/5L Evaporating flask	
18900871	Cooling water silicone hose line	
18901118	Evaporation flask clip(metal), 24/40, 1pcs	
18901119	Evaporation flask clip(metal), 29/42, 1pcs	
18901120	Metal grinding clip, 29/42, 1pcs	
18901121	Metal grinding clip, 24/40, 1pcs	
18900879	Secondary Condenser Component	
18900744	Rotary Evaporator Protective Shield Assembly (compatible with RE100-Pro)	
18900789	Rotary Evaporator Protective Shield (RE100-S)	
18902214	Vacuum Buffer Tank Set	
18902215	Pressure Gauge Set	

Regulator /Moisture

Cat. No.	Description	
18900186	Material: PVDF, PTFE, ABS, Borosilicate Glass, Stainless Steel	

Vertical

Cat. No.	Glassware type	Volume	Cooling surface
18900165	Evaporating flask(NS29/32) Receiving flask(KS35/20)	1000mL	1700cm ²
18900173	Evaporating flask(NS24/40) Receiving flask(KS35/20)	1000mL	1700cm ²
18202410	Evaporating flask (NS 29/32) Receiving flask (KS 35/20)	1000mL	1200cm ²
18900476	Evaporating flask (NS 24/40) Receiving flask (KS 35/20)	1000mL	1200cm ²
18901344	Condenser(New), evaporating flask (NS 29/32), Receiving flask (KS 35/20)	1000mL	1700cm ²
18901345	Condenser(New), evaporating flask (NS 24/40), Receiving flask (KS 35/20)	1000mL	1700cm ²

Diagonal

Cat. No.	Glassware type	Volume	Cooling surface
18900163	Evaporating flask(NS29/32)Receiving flask(KS35/20)	1000mL	1700cm ²
18900171	Evaporating flask(NS24/40)Receiving flask(KS35/20)	1000mL	1700cm ²

Heating Bath

Cat. No.	Description	Volume
18900201	Heating bath for Rotary Evaporator RE100-Pro, 220V	5L
18900202	Heating bath for Rotary Evaporator RE100-Pro, 110V	5L
6033100210	LED heating bath, 100V-120/200-240V,50/60HZ	5L

Glassware



Evaporating flask

Cat. No.	Volume	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	NS29/32
18300655	50mL	NS24/40
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	NS24/40
18900563	20L	RE200-Pro



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	RE200-Pro



Distilling spider with 5 flasks(without flask)

Cat. No.	Volume	Size
18900194	/	NS 29/32, NS24/29
18900177	/	NS 29/42, NS24/40

Foam brake

Cat. No.	Volume	Size
18300093	250mL	NS 29/32
18300207	250mL	NS 24/40



Glass axis

Cat. No.	Volume	Size
18203431	Thickened glass axis	NS24/40
18204253	Thickened glass axis	NS29/32



Connector

Cat. No.	Volume	Size
18300094	/	NS 29/32, NS24/29
18300095	/	NS 29/32, NS19/26
18300096	/	NS 29/32, NS14/23
18300199	/	NS24/40, NS19/22
18300200	/	NS 24/40, NS14/20
18900193	/	NS 24/40, NS 29/42