RotaryEvaporator

RE100-S
LED Digital Rotary Evaporator

LED Digital Rotary Evaporator is an essential instrument in chemical laboratories for the efficient and gentle removal of solvents from samples by evaporation. It can be combined with vacuum pump, vacuum controller and circulating chiller to provide excellent distilling solutions in a wide range of applications.

Features:

- 5L heating bath with a wide temperature range (room temp.to180°C), independent temperature control, make it can be used separately. Water/ oil heating mode can be changed only through a switch.
- Manual lift combined with auxiliary lift for precise positioning of the glassware.
- PID control ensures high temperature accuracy at ±1oC (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.
- Patented condenser (cooling surface 1200/1700 cm2 for selection), double helix condensing tube + center circular arc design to speed up the flow rate of liquid with excellent cooling effect.
- Ejection mechanism ensures easy exchange of evaporating flask
- Adjustable immersion angle
- Patented double spring sealing ring which is made of PTFE provides an excellent sealing performance
- Remote function provides PC control and data transmission.
- Compatible with the entire range of RE100-Pro glassware.

USB connector

Chemical resistance

Overheating protection

Compatible with all range of glassware

Patented condenser

Patented double spring sealing ring

Ejection mechanism

Manual lift combined with auxiliary lift

5L heating bath can be used separately

Specifications

Specifications	RE100-S
Motor Type	Brushless DC motor
Speed Range	20-200rpm
Display	LED (speed, temperature, time)
Clockwise and Anti-clockwise	Yes
Heating Temperature Range	Room temp. to 180℃
Control Accuracy	water: ±1℃ oil: ±3℃
Heating Power	1010 W
Stroke Displacement	Manual 110mm + auxiliary100mm
Interval Time Setting Range	1~999s
Dimension [D×W×H]	Main Unit: 440×320×450mm 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 50/60 Hz
Power	1100 W