

RV100-S Rotary Evaporator

Digital Rotary Evaporator is a basic chemical laboratory instrument suitable for evaporation, distillation and separation of chemicals. It can be used as a pump, vacuum controller and circulating refrigerators to provide excellent distillation solutions in many laboratory applications.

Key Features

- 5L heating bath with a wide temperature range (Room Temperature to 180°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 $\pm 1^\circ\text{C}$ (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 200 rpm, timing interval operation in clockwise and anticlockwise directions for drying process.
- Patented condenser (Cooling Surface 1200/1700cm² 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 RV100-Pro glassware.
- Optional glassware with explosion proof film available.
- Overheat warning above 50°C.



Specifications	RV100-S
Motor Type	Brushless DC motor
Speed Range	20-200 rpm
Display	LED (Speed, Temperature, Time)
Clockwise and Anti-clockwise	Yes
Heating Temperature Range	Room Temperature to 180°C
Control Accuracy	water: $\pm 1^\circ\text{C}$, Oil: $\pm 3^\circ\text{C}$
Heating Power	1010 W
Stroke Displacement	Manual 110 mm + Auxiliary 100 mm
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 50/60 Hz
Power	1100 W

RE100-Pro Digital Rotary Evaporator

LCD Digital Rotary Evaporator is an essential instrument in chemical laboratories for the efficient and gentle removal of solvents from samples by evaporation. It offers an excellent distilling solution in a wide range of applications.

Key Features

- Digital display of both rotation speed and heating temperature allows for optimal control of all distillation processes.
- Automatic motor lift releases the evaporating flask to a safe position in case of power failure.
- 5L heating bath with wide temperature range from Room Temperature to 180°C, Water/oil heating mode can be changed only through a switch.
- 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 280 rpm, and interval operation in clockwise and anticlockwise directions for drying process.
- Patented condenser (Cooling Surface 1700 cm²) with excellent cooling effect.
- Remote function provides PC control and data transmission.
- Optional glassware with explosion proof film available.



Specifications	RV100-Pro
Motor Type	Brushless DC motor
Speed Range	20-280 rpm
Display	LCD (Speed, Temperature, Time)
Clockwise and Anti-clockwise	Yes
Heating Temperature Range	Room Temperature to 180°C
Control Accuracy	water ±1°C, Oil ±3°C
Heating Power	1300 W
Stroke Displacement	Automatic 150 mm
Timer	Yes
Time Setting Range	1-999 min
Dimension (D×W×H)	465 × 457 × 583 mm
Weight	15 kg
Permissible Ambient Temperature	5-40°C
Permissible Relative Humidity	80% RH
Protection Class	IP20
Weight	2.8 kg
Protection class	IP21
USB Interface	Yes
Voltage/Frequency	100-120/200-240V 50/60 Hz
Power	1400 W