

RE500-E&RE1000-E& RE2000-E&RE5000-E





Pilot Scale Digital Control Rotary Evaporator

Features

- LCD digital display with intuitive interface for operation and control.
- PID controller, precise control, fast setting.
- Stepless automatic motor lifting of the heat bath, smooth and silent.
- The reciprocation rotation function is the most useful for concentration of sample with power or solid particles.
- Double-layer high-efficiency condenser with anti-backflow design, large condensation surface area, strong evaporation capacity is a guarantee of high efficient sample recovery.
- Professional air tightness system design with PTFE sealing ring, featured with heat/corrosion resistance, and high durability.
- Optional vacuum controller to control the vacuum degree freely.
- Keep the outer surface of the heat bath at mild temperature with proprietary heat insulation design to avoid accidental personnel burn injury.
- Equipped with automatic switching valve, continuous collection can be carried out without affecting the negative pressure index of the system and solvent distillation.
- Optional water bath/oil bath heating mode (standard water bath).
- Solution can be continuously fed into evaporating flask.
- Digital display steam temperature sensing device can feed back the solvent steam temperature in real time



Specification

Photos				
Model	RE500-E	RE1000-E	RE2000-E	RE5000-E
Evaporating flask volume	5L	10L	20L	50L
Speed range	20-180	20-130	20-130	20-130
Display	LCD			
Evaporation Capacity (Max.L/h) For 75% Alcohol	2	3.8	5	11
Ultimate vacuum	9 mbar			
Timer	Yes			
Temperature range	Water Bath: 20- 100°C Oil Bath: 20-180°C (Optional)			
Temperature control accuracy I°C	±1			
Heating Power (W)	2000	3000	4000	5000
Temperature Display	LCD			
Lifting mode	Motorized			
Lifting Stroke (mm)	130	200	180	253
Time Setting Range	0-999min			
Voltage	220V			
Frequency (Hz)	50/60			
Motor	Brushless DC motor			
Heat Bath	Teflon coating			
Protection Class	IP20			
Dimension(D×W×H)	600*290*720	790*480*1130	900*490*1320	1030*510*1370
Permissible ambient temperature I°C	5-40			
Permissible ambient humidity	≤80%			
Safety features	Motor over current protection, earth leakage protection, dry heating protection, overheat protection function			

Vertical

Cat. No.	Glassware type & Volume	Cooling surface
18900674	5L Main condenser	0.28m ²
18900639	10L Main condenser	
18900640	10L Secondary condenser	0.49m ²
18900688	20L Main condenser	
18900689	20L Secondary condenser	1.29m ²
18900648	50L Main condenser	
18900649	50L Secondary condenser	1.75m ²

**Evaporating flask**

Cat. No.	Volume	Size
18900677	5L	RE500-E
18900643	10L	RE1000-E
18900690	20L	RE2000-E
18900650	50L	RE5000-E

**Receiving flask**

Cat. No.	Volume	Size
18900678	3L	RE500-E
18900644	5L	RE1000-E
18900691	10L	RE2000-E
18900651	20L	RE5000-E

**Three way bottle**






Cat. No.	Volume	Size
18900676	—	RE500-E
18900642	—	RE1000-E/RE2000-E/RE5000-E

**Rotation axis**








Cat. No.	Volume	Size
18900679	—	RE500-E
18900645	—	RE1000-E/RE2000-E/RE5000-E



Valve accessories

Cat. No.	Description	Size	Photograph
18900675	Feeding valve	RE500-E	
18900641		RE1000-E, RE2000-E, RE5000-E	
18900675	Discharge valve	RE500-E	
18900641		RE1000-E, RE2000-E, RE5000-E	
18900680	Non pass valve	RE500-E	
18900681	Mixing valve	RE500-E	
18900647	Vent valve	RE1000-E, RE2000-E, RE5000-E	

Other accessories

Cat. No.	Description	Size	Photograph
18900683	5L Locking clamp	30#	
18900682		40#	
18900655		50#	
18900656		60#	
18900657		80#	
18204035	5L Vacuum sealing ring	Teflon + fluorine rubber	
18203979	10L/20L/50L Vacuum sealing ring		
18203980	Vacuum seal assembly for evaporating flask	RE1000-E, RE2000-E, RE5000-E	
18204228	Flask holder (50mL-1L and 1L-20L)	90mm	
		160mm	
18901003	Evaporation bottle bracket	adapted to RE500-E	
18901004		adapted to RE1000-E	
18901005		adapted to RE2000-E	
18901006		adapted to RE5000-E	