

SCI500-E, SCI1000-E, SCI2000-E, SCI5000-E

Pilot Scale Digital Control Rotary Evaporators

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.
- The two section, three layer Graham coil 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.



Specification

Photos				
Model	SCI500-E	SCI1000-E	SCI2000-E	SCI5000-E
Evaporating Flask, Maximum	5L	10L	20L	50L
Speed Range (rpm)	20-180	20-130	20-130	20-130
Display	LCD			
Evaporation Capacity (Max.L/h) For 75% Alcohol	2	3.5	5	9
Final Vacuum	9 mbar			
Reciprocating Rotation	Yes			
Heat Bath Temperature (°C)	20-100°C			
Temperature Control Precision (°C)	±1			
Heating Power (W)	2000	3000	4000	5000
Temperature Display	LCD			
Heat Bath Lifting	Motor Lifting, Stepless			
Lifting Stroke (mm)	130	200	180	253
Timer	Yes			
Timer Display	LCD			
Timer Range (min)	0-999min			
Voltage (VAC)	220V			
Frequency (Hz)	50/60			
Motor	Lifting Motor: DC motor with brush Rotating Motor: High voltage brush motor			
Heat Bath	Teflon coating			
DIN EN60529 Protection Class	IP20			
Dimension (D×W×H mm)	600*290*720	790*480*1130	900*490*1320	1030*510*1370
Ambient Temperature (°C)	5-40			
Ambient Humidity	≤80%			
Safety Mechanism	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	0.49m ²
18900640	10L Secondary condenser	
18900688	20L Main condenser	1.29m ²
18900689	20L Secondary condenser	
18900648	50L Main condenser	1.75m ²
18900649	50L Secondary condenser	



Main condenser Secondary condenser

Evaporating flask

Cat. No.	Volume	Size
18900677	5L	SCI500-E
18900643	10L	SCI1000-E
18900690	20L	SCI2000-E
18900650	50L	SCI5000-E



Receiving flask

Cat. No.	Volume	Size
18900678	3L	SCI500-E
18900644	5L	SCI1000-E
18900691	10L	SCI2000-E
18900651	20L	SCI5000-E



Three way bottle

Cat. No.	Volume	Size
18900676	—	SCI500-E
18900642	—	SCI1000-E/SCI2000-E/SCI5000-E



Rotation axis

Cat. No.	Volume	Size
18204087	—	SCI500-E
18204034	—	SCI1000-E/SCI2000-E/SCI5000-E



Discharge valve/Vent valve

Cat. No.	Volume	Size
18900680	5L Stop off valve	SCI500-E
18900681	5L Mixing valve	SCI500-E
18204204	5L Discharge valve	SCI500-E
18900652	10L/20L/50L Discharge valve	SCI1000-E/SCI2000-E/SCI5000-E
18900647	10L/20L/50L Vent valve	SCI1000-E/SCI2000-E/SCI5000-E



放料阀

放气阀

Other accessories

Cat. No.	Description	Size	Photograph	
18900766	Fixed binding of condenser (5L)	SCI500-E		
18900767	Fixed binding of condenser (10L)	SCI1000-E		
18900768	Fixed binding of condenser (20L/50L)	SCI2000-E/SCI5000-E		
18900769	Vacuum gauge (5L)	SCI500-E		
18900770	Vacuum gauge (10L/20L/50L)	SCI1000-E/SCI2000-E/SCI5000-E		
18900683	5L Locking clamp	30#		
18900682		40#		
18900655		50#		
18900656		10L/20L/50L Locking clamp		60#
18900657		80#		
18900684	5L Bottle sealing pad	40#		
18900685		50#		
18900658		50#		
18303103		10L/20L/50L Bottle sealing pad		60#
18900660	10L/20L/50L Bottle sealing pad	70#		
18900661		80#		
18204035		5L Vacuum sealing ring		Teflon + fluorine rubber
18203979	10L/20L/50L Vacuum sealing ring			
18204228	Flask holder (50mL-1L&1L-20L)	90mm&160mm		