



# LAB SOLUTION PROVIDER

Rotary evaporator



**TOPTION**

TOPTION INSTRUMENT CO.,LTD

## About Us

TOPTION is professional lab solution provider, and all devoted to provide the best solutions & products for global customers, who are work in chemistry, biology, pharmaceutical, environment analysis, food, academic research, etc. Regardless of the field you work in, we keep striving for the same goal: to provide you with the most suitable solutions & products, to make your research more accurate & efficient.

TOPTION headquarters is located in Xi'an, China, where own hundreds of universities and research institutes, and famous as its thousands of years long history culture. Profound culture and strong scientific research strength, provide sustained and vigorous power for TOPTION development, so that make us could provide better products, solutions and service for you continuously.

Main products contains chemical synthesis reactor, rotary evaporator, thin-film evaporator, photochemical reactor, high pressure reactor, freeze dryer, spray dryer, etc. TOPTION brand instrument has own high reputation in more than 70 countries and regions, provide technical support for tens of

thousands organizations to solve problems within their research, special for university, research institutes, industries, inspection agencies, etc. Promoting technology progress and improving human life is TOPTION social mission.

We believe, only the most excellent quality, most leading technology, most complete solution and most professional service, could make TOPTION mission and vision come true. So we will keep in continual innovation and hard work, to provide you with the best solutions & products, and make you research more accurate and efficient.

We are a young, professional and creative team;

We are a customer-centric and responsible team.

Our mission: make your research more accurate and efficient.

Our vision: Become the world's most competitive lab solution provider.

Our value: Sharing & win-win, customer success, be thankful, keep growing, innovation and responsible.



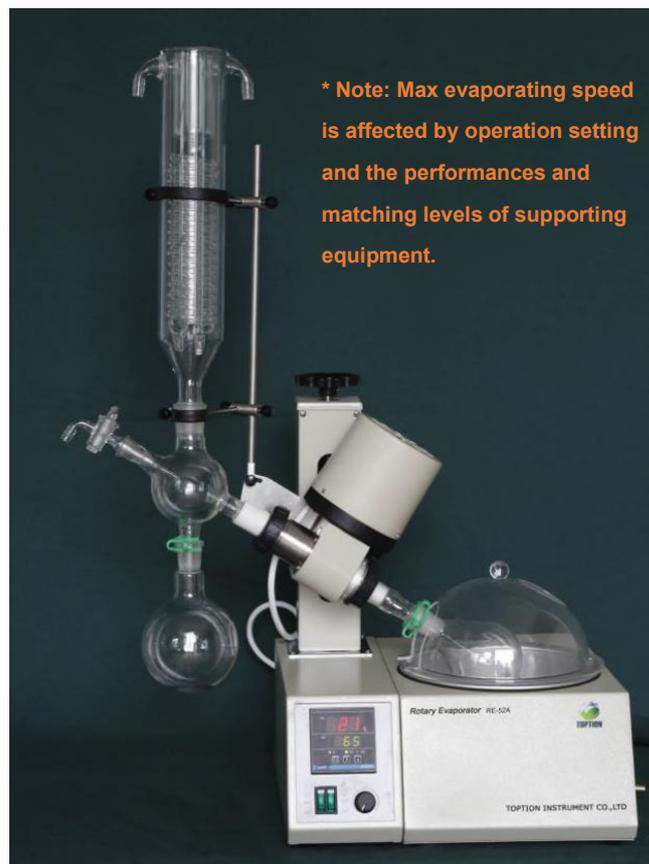
### Handmade process



## RE-52A 2L Rotary Evaporator - Manual lifting

### Technical Parameters:

Relevant Model	RE-52A
Rotating Flask(L)	2L
Optional Rotating Flask(L)	0.25L, 0.5L, 1L
Receiving Flask(L)	1L
Lifting Type	Manual lifting
Condenser Type	Vertical condenser + top cold trap
Rotation Speed (rpm)	0-150
Max Evaporating Speed (H <sub>2</sub> O)	1.2L/H
Reachable Vacuum Rate	< 133Pa (1.33mbar, 1 Torr)
Heating Power (W)	1000W
Rotation power (W)	25W
Staic Temp. Control Range & Wave (°C)	RT-99±2
Power	220V 60Hz



### Functional Configurations:

Relevant Model	RE-52A
PTFE Seal Assembly	Have
Continuous Charge	Have
Digital Display	Bath Temp.
Taper Joint PTFE Sleeve	Have
Low Noise	Have
Bath Lift	Have
Cold Trap	Have
Water Bath Lid	Optional

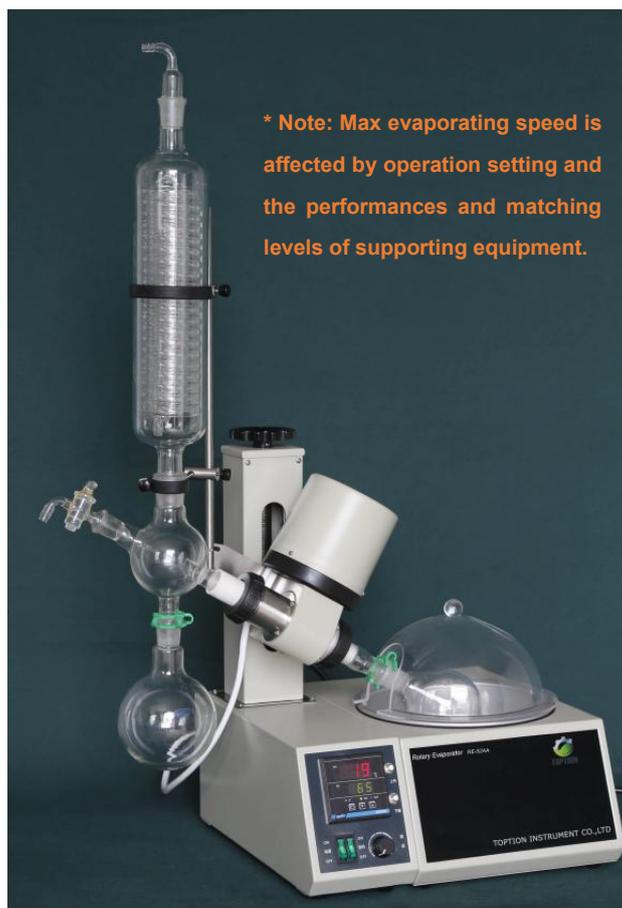


## RE-52AA 2L Rotary Evaporator - Automatic lifting

### Technical Parameters:

A:99°C water bath automatic lifting

Relevant Model	RE-52AA
Rotating Flask(L)	2L
Optional Rotating Flask(L)	0.25L, 0.5L, 1L
Receiving Flask(L)	1L
Lifting Type	Automatic lifting
Condenser Type	Vertical condenser
Rotation Speed (rpm)	0-150
Max Evaporating Speed (H <sub>2</sub> O)	1.2L/H
Reachable Vacuum Rate	< 133Pa (1.33mbar, 1 Torr)
Heating Power (W)	1000W
Rotation Power (W)	25W
Staic Temp. Control Range & Wave (°C)	RT-99±2
Power	220V 60Hz



### Functional Configurations:

Relevant Model	RE-52AA
PTFE Seal Assembly	Have
Continuous Charge	Have
Digital Display	Bath Temp.
Taper Joint PTFE Sleeve	Have
Low Noise	Have
Bath Lift	Have
Cold Trap	Optional
Water Bath Lid	Optional



Standard condenser



Optional with cold trap



Water bath lid optional

## RE-5000 5L Rotary Evaporator

### Technical Parameters:

A: 99°C water bath automatic lifting

Relevant Model	RE-5000A
Rotating Flask(L)	5L + 1L
Receiving Flask(L)	3L
Lifting Type	Automatic lifting
Condenser Type	Vertical condenser
Rotation Speed (rpm)	0-110
Max Evaporating Speed (H <sub>2</sub> O)	2L/H
Reachable Vacuum Rate	< 133Pa (1.33mbar, 1 Torr)
Heating Power (W)	2300W
Rotation Power (W)	40W
Staic Temp. Control Range & Wave (°C)	RT-99 (150) ±0.2
Power	220V 60Hz



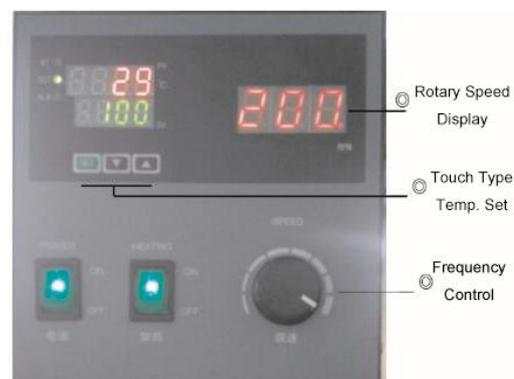
### Functional Configurations:

Relevant Model	RE-5000A
PTFE Seal Assembly	Have
Continuous Charge	Have
Digital Display	Bath Temp. Rotation Speed
Taper Joint PTFE Sleeve	Have
Low Noise	Have
Bath Lift	Have
Cold Trap	Optional
Water Bath Lid	Optional



Optional water bath lid

Connect cold trap



Rotary Speed Display

Touch Type Temp. Set

Frequency Control

## RE-5210A 10L Rotary Evaporator

### Technical Parameters:

A:99°C Automatic lifting

Relevant Model	RE-5210A
Evaporating Flask(L)	10L/F95
Receiving Flask(L)	5L, bottom discharge
Condensing Surface(m <sup>2</sup> )	0.57
Rotation Speed (rpm)	3-110
Max Evaporating Speed (H <sub>2</sub> O)	3L/H
Lifting Type	Automatic lifting
Reachable Vacuum Rate	< 133Pa (1.33mbar, 1 Torr)
Heating Power (W)	3000W
Rotation Power (W)	300W
Staic Temp. Control Range & Wave (°C)	RT-99(150) ±0.2
Bath Size. Capacity Material	∅ 35*25H, 22L, SUS304
Power	220V, 60Hz
Dimensions (mm)	950*500*1800H

\* Note: Max evaporating speed is affected by operation setting and the performances and matching levels of supporting equipment.



### RE-5210A Functional Configurations:

Over-current Protection	Have	No-spark Electronic Control	Have
Charging Valve	Glass	PTFE Discharge Valve	PTFE
PTFE Rotary Seal Assembly	Have	Overall Flange Joints	Have
Taper Joint PTFE Sleeve	Have	Frequency Conversion Speed Control	Have
Vacuum Gauge	Have	Throttle Valve For Vacuum	Have
Digital Display	Bath temperature, Rotation speed	Cold Trap Protection System	Optional
Water Bath Lid	Optional	Certification	ISO & CE

## RE-5220A 20L Rotary Evaporator

### Technical Parameters:

A:99°C Automatic lifting

Relevant Model	RE-5220A
Evaporating Flask(L)	20L/F125
Receiving Flask(L)	10L + 3L, bottom discharge
Condensing Surface(m <sup>2</sup> )	1
Rotation Speed (rpm)	3-110
Max Evaporating Speed (H <sub>2</sub> O)	5L/H
Lifting Type	Automatic lifting
Reachable Vacuum Rate	< 133Pa (1.33mbar, 1 Torr)
Heating Power (W)	5000W
Rotation Power (W)	300W
Staic Temp. Control Range & Wave (°C)	RT-99(150) ±0.2
Bath Size. Capacity Material	∅ 45*27H, 40L, SUS304
Power	220V, 60Hz
Dimensions (mm)	1100*600*2100H

\* Note: Max evaporating speed is affected by operation setting and the performances and matching levels of supporting equipment.



### RE-5220A Functional Configurations:

Over-current Protection	Have	No-spark Electronic Control	Have
Charging Valve	Glass	PTFE Discharge Valve	PTFE
PTFE Rotary Seal Assembly	Have	Overall Flange Joints	Have
Taper Joint PTFE Sleeve	Have	Frequency Conversion Speed Control	Have
Vacuum Gauge	Have	Throttle Valve For Vacuum	Have
Digital Display	Bath temperature, Rotation speed	Cold Trap Protection System	Optional
Water Bath Lid	Optional	Certification	ISO & CE

## RE-5250A 50L Rotary Evaporator

### Technical Parameters:

A: 99°C Automatic lifting

Relevant Model	RE-5250A
Evaporating Flask(L)	50L/F125
Receiving Flask(L)	20L + 10L, bottom discharge
Condensing Surface(m <sup>2</sup> )	1.5
Rotation Speed (rpm)	3-110
Max Evaporating Speed (H <sub>2</sub> O)	10L/H
Lifting Type	Automatic lifting
Reachable Vacuum Rate	< 133Pa (1.33mbar, 1 Torr)
Heating Power (W)	9000W
Rotation Power (W)	400W
Staic Temp. Control Range & Wave (°C)	RT-99(150) ±0.2
Bath Size. Capacity Material	∅ 55*32H, 70L, SUS304
Power	220V,60Hz
Dimensions (mm)	1300*800*2300H

\* Note: Max evaporating speed is affected by operation setting and the performances and matching levels of supporting equipment.



### Safety Features:

Over-current Protection	Have	No-spark Electronic Control	Have
Charging Valve	Glass	PTFE Discharge Valve	PTFE
PTFE Rotary Seal Assembly	Have	Overall Flange Joints	Have
Taper Joint PTFE Sleeve	Have	Frequency Conversion Speed Control	Have
Vacuum Gauge	Have	Throttle Valve For Vacuum	Have
Digital Display	Bath temperature, Rotation speed	Cold Trap Protection System	Optional
Water Bath Lid	Optional	Certification	ISO & CE

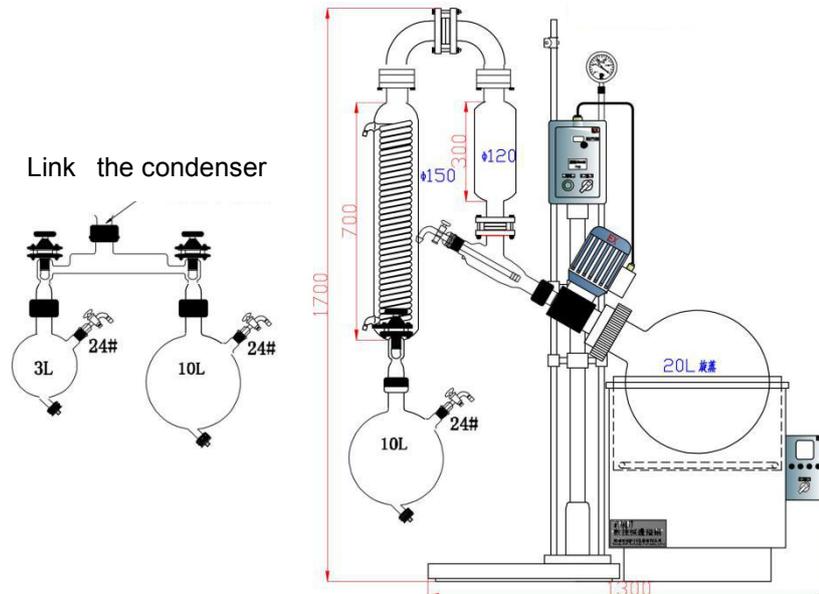
## TOPTION brand advantages



1. TOPTION is a registered brand, which is well known in global lab instruments trade, ISO9001: 2008 and CE certificated lab solution provider.
2. Commits to become the world's most competitive lab solution provider.
3. Has been widely recognized and won reputation for excellent quality and professional customization among customers in 30 more countries.
4. Brand interpretation: SAFE - ACCURATE - EFFICIENT. Choose TOPTION, choose guarantee and relief.

## Professional customization

Engineering team presided over by professors level chief engineer who has more than 20 years practical working experience. Products inherit characters of safe, accurate, efficient.



## Design sketch



## Rotary evaporator test



Hand-made fire glass

Ex control box



Make your research more accurate and efficient.



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