Practical - Efficient - Economical TOPTION Rotary Evaporation Sets



2L laboratory evaporation set





LX-0250

RE-52AA

VC100C

SHB-III

TOPTION also provide pilot 20L * Evaporation Set: LX-0400 + RE-5220A + VC100C+ SHB95.

20L evaporation set







RE-5220A



VC100C



SHB95

Cooling Circulator

Rotary Evaporator

Vacuum Controller

Water Circulation Vacuum Pump

- With big cooling power.
- Increase receiving rate.
- Save water resource.
- Strong in sealing and anti-corrosion performance.
- Has display on rotation speed, temperature, and pressure.
- Improve efficiency of evaporating and receiving.
- Decrease bumping risk.
- Reduce vapor escaping.
- Protect vacuum pump.
- Easy Maintenance.
- Resist Certain Corrosion.



Practical - Efficient - Economical TOPTION Rotary Evaporation Sets

Practice Using TOPTION "1-2L Rotary Evaporator " to deal with solvents of low boiling point Receiving Rate 99% under below settings, evaporation process were quick and stable. System vacuum is well controlled by Vacuum Controller, which enables either heating (evaporation) or cooling (receiving) efficiency going to max.

Experimental Data	Working Parameters		Working Efficiency		
Solvent	Cooling Temp.	Bath Temp.	Vacuum	Evaporating Speed	Receiving Rate
Ethanol-C2H6O	<5℃	70℃	10.2kpa	2.2L/hr	98.70%
Acetone-C3H6O	<-2℃	54℃	37.7kpa	5.2L/hr	99.40%
Chloroform-CHCl3	<-2℃	58℃	32.8kpa	6.0L/hr	99.00%

- The data is collected in test of 1-2L TOPTION Rotary Evaporator. Condition: RT22 $^{\circ}$ C, Rotation flask 1000ml, Charging volume 500ml.
- To get max vaporization speed, heating temperature shall be 40℃ higher than that of boiling temperature of solvent.

Parts & Accessories

Evaporating Flask

	Description	Types	Note
	Taper Joint-Pear	100ml/29(24)	For RE52A
		250ml/29(24)	For RE52AA
		500ml/29(24)	For RE2000A
		1L/29(24)	
		2L/29(24)	
	Flange Joint-Round	3L/F50,3L/29;	For RE3000A, RE5203A
		5L/F50;	For RE5210A, RE5220A
		10L/F95	For RE5230A, RE5250A
		20L/F125;	
		30L/F125;	
		50L/F125	

Parts & Accessories

Receiving Flask

	Description	Types	Note
	Taper Joint	250ML/24	For RE52A, RE52AA
R		500ml/24	
		1L/24	
		2L/24	
	Taper Joint, w/discharge	1L, V6/29, Ø9	Optional
	neck	3L/F40, S40	
		optional	
A STATE OF THE STA			
	Spherical Joint	1L/S35;	For RE-2000A, RE-3000A
Ħ		2L/S35;	RE-5000, RE-5205
		3L/S35;	
		5L/S35.	
	Spherical joint,	3L/F40, S35	For RE5000,RE5205
	w/discharge neck	5L/F40,535	optional
		optional	
	Flange Joint,	5L/F50, F40	For RE5210A
4 61	w/discharge neck	10L /F50, F40	For RE5220A
		10L /F60, F40x3	For RE5230A
7		20L/F60, F40x3	For RE5250A

Joint Adaptor

Description	Types	Note
Taper to Taper	$29 \rightarrow 29$	For RE52A,
	$29 \rightarrow 24$	For RE52AA,
	29 → 19	For RE2000A
Flange to Taper	F50 → 29	For RE5203A,
	$F50 \rightarrow 24$	For RE5205,
		For RE5000

www.toption-china.com (for instrument)

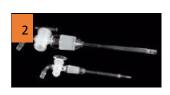
TOPTION

Parts & Accessories

Others



Vapor Shaft	Ø25/29, Ø25/24	For 52A,52AA,2000A
	25	For 5203A,5205,5000
	Ø50/F60	For 10L and above model use



Charging Valves	Order according to model



Discharge Valve V10/F40	For 5-50L model use
-------------------------	---------------------



Shaft Seal	25x35x7	For 5L and below model use
	50x70x10	For 10L and above model use



O-rings	Order according to model



Vacuum Pipe	Ø8/Ø15	For vacuum connection use



Flask	Unload	Optional
Handler		