# **Rotary Evaporator**

Basic with motorized lift and digital setting

## **RE301**



## Features



## Adjustable Rotary Joint

The rotary joint's locking position feature is adjustable up to 80 mm. Useful when using evaporating flasks with varying capacities or when there is a need to shift the vacuum seal's contact position. (Patent No. 3220033)

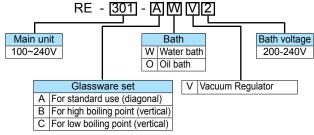


#### Quick Release of Evaporating Flask The evaporating flask can be released easily and quickly by turning the flask release nut.

Set Guide

Room temperature +10~180°C

- One touch electric lift for easy up and
- The evaporator's motor speed (rpm) is digitally set and displayed
- Unique durable vacuum seal suitable up
- Stable rotation at low and high speeds
- Equipped with lift up switch in case of
- Removable bath for easy cleaning and water replacement, with the option for
- Compact design fits into any fume hood
- Universal power supply: works with 100-





### Motorized Lift

Standard for all models and can be easily raised or lowered by a simple switch operation



### Glass Condenser

Unique designed glass condenser to prevent liquid stagnation and backflow and increase cooling capacity with a 20% larger surface area to enable faster distillation. (Patent No. 4597021)

## Control Panel

Rotation speed knob with digital display indication

## Specifications

Model		RE301		
Motor		DC brushless motor		
Rotation sp	eed	20~250 (rpm)		
Lift stroke		130mm		
Rotational speed setting		Control knob (digital indication)		
Safety function (main unit)		Manual-setting lower limit, motor overload		
Lifting feature		Motorized lifting system		
External	With Glassware A (mm)	828(W)× 400(D)×586(H) (716 when raised)		
dimension With Glassware B/C (mm)		643(W)× 400(D)×727(H) (857 when raised)		
Weight		~14.1kg (excluding glassware and water/oil bath)		
Power supply Main unit(50/60Hz)		AC100~240V 1.5A(excluding water/oil bath)		

## Set Selection Chart

	Glassware		aro	Bath (100-	120V AC)	Bath (200-	-240V AC)	Vacuum
Model			ale	Water bath	Oil bath	Water bath	Oil bath	regulator
	A	В	С	BM500	BO400	BM510	BO410	VR
RE-301-AW	•			•				
RE-301-AW2	•					•		
RE-301-AO	•				•			
RE-301-AO2	•						•	
RE-301-AWV	•			•				•
RE-301-AWV2	•					•		•
RE-301-AOV	•				•			•
RE-301-AOV2	•						•	•
RE-301-BW		٠		•				
RE-301-BW2		٠				•		
RE-301-BO		٠			•			
RE-301-BO2		•					•	
RE-301-BWV		•		•				•
RE-301-BWV2		•				•		•
RE-301-BOV		٠			•			•
RE-301-BOV2		٠					•	•
RE-301-CW			•	•				
RE-301-CW2			•			•		
RE-301-CO			•		•			
RE-301-CO2			•				•	
RE-301-CWV			•	•				•
RE-301-CWV2			•			•		•
RE-301-COV			•		•			•
RE-301-COV2			•				•	•

## **Operational Accessories**

Glassw	vare Set	Bath Specifications		
Product code	Set	SATTLE.	1 0	
255291	Set A (use with cooling water) Standard glass set where condenser is set diagonally, suitable for standard distillation.		D D	
255292	Set B (use with cooling water) The condenser is set vertically,			
	suitable for distillation of solvent	Product name	Water	bath
	with higher boiling points. When space is limited, the use of a vertical	Model	BM500	BM510
	condenser set up is recommended.	Temp. control range	RT +5°C~90°C	
255293	Set C (use with dry ice)	Temp. setting range	0~100°C	
200290	The cold finger glass condenser is set vertically, suitable for distillation of volatile or low boiling point solvents. When space is limited, the use of a vertical condenser set up is	Temp. adjustment accuracy	±1.5°C (at agitation)	
		Temp. control system	PID control with mic	roprocess
		Temp. setting / display system	Digital setting by ▲/	▼ keys
		Bath capacity	~4L	
		External dimensions	W340 x D349 x H23	1 mm
		Weight	~5.5kg	
	recommended.	Power supply	AC100~120V 12.5~10.5A	AC200~ 6.5~5.5/

## BM500 The electric kettle style

## tank can be removed freely

		-			
Product name	Water	bath	Oil bath		
Model	BM500	BM510	BO400	BO410	
Temp. control range	RT +5°C~90°C		RT +10°C~180°C		
Temp. setting range	0~100°C		0~180°C		
Temp. adjustment accuracy	±1.5°C (at agitation)		±2°C (at agitation)		
Temp. control system	PID control with microprocessor				
Temp. setting / display system	Digital setting by ▲/▼ keys				
Bath capacity	~4L				
External dimensions	W340 x D349 x H231 mm				
Weight	~5.5kg				
Power supply	AC100~120V 12.5~10.5A	AC200~240V 6.5~5.5A	AC100~120V 12.5~10.5A	AC200~240V 6.5~5.5A	

## **Optional Accessories**

## Glassware

Evaporating flask

Product code Size

LT00016205

LT00016206 29/42

LT00016204 29/42

LT00016203 29/42

LT00016202 29/42

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#### Capacity 35/20 2L LT00016180 35/20 500ml 300ml LT00016209 35/20 LT00016208 35/20 200ml LT00016207 35/20 100ml

## Water Circulator (Chiller)

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Capacity

500ml

300ml

200ml

100ml

2L

	Mode
	Opera
I I	Temp
	accur
- /	Coolir
	Temp
	Refrig
	Exter
	(inclu
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Simer)				
Model	CF302L-A / CF312L-A			
Operating temp. range	-20°C~30°C			
Temp. control	±1.0°C (≥ 0°C)			
accuracy	±1.5°C (< 0°C)			
Cooling capacity	~420W at liquid temp10°C			
	~280W at liquid temp-10°C			
Temp. control	Refrigerator On/Off			
Refrigerator, coolant	Air cooling 450W, R404A			
External dimension	205 x 396 x 535 mm			
(including protrusions)	(225 x 434 x 564 mm)			
Water capacity	~3.9L (Liquid volume 3.5L)			
Power source 60Hz	115V 7.5A / 220V 4A			
Weight	~31kg			

## Organic Solvent Recovery Unit

	Model	RT200			
and the second	Condenser	Hard glass			
F200	Solvent collecting flask	500mL hard glass S35/20			
	Flask clamp	For 35mm			
	Outer covering	Print coating finish made from			
		cold rolling steel sheet			
	Door	Acrylic door			
	IN/OUT nipple connected	Outer diameter: 9mm			
	to a cooling water hose				
	IN/OUT nipple connected	Outer diameter: 6mm			
	to a vacuum water hose				
	External diameter	W260*D400*H428mm			

RT200 extracts organic solvent substances from gas generated by the rotary evaporator during concentration work, and prevents the discharge of dangerous substances



Product code Description RE200GT010 TS 29/42- 24/40 RE200GT012 TS 29/42- 29/42



RE200GT003 TS 29/42- 24/40



### Vacuum Pump



Model	DTC-22A	DTC-22B			
Discharge rate	50Hz: 20L/min, 60Hz: 24L/min				
Ultimate pressure	1.0x10 <sup>3</sup> Pa				
	AC115, Single phase				
Motor	50W, 4P, with condenser-run thermal				
	protection relay (automatic reset)				
Rated current	1.20/1.32A (50/60Hz)	0.60/0.72A (50/60Hz)			
Speed	1260/1580rpm	1275/1570rpm			
Inlet and outlet piping	О.D.Ф10 x І.D.Ф6 (Gʻ	1/4)			
Weight	7.1kg				
Air temperature	0~40°C				
Overall dimensions	W142 x L272 x H202	mm			
Product code	DTC22A115RERKIT	DTC22B220RERKIT			
Components	DTC-22A Dry Vacuum	DTC-22A Dry Vacuum			
	Pump, 5' of 8mm ID	Pump, 5' of 8mm ID			
	Pump, 5' of 8mm ID Rubber Hose,Hose Clamp	Rubber Hose, Hose Clamp			

## Vacuum Regulator

