

Rotary Evaporator

Basic with motorized lift and digital setting

RE301

Evaporating /
receiving flask

1L(Standard)

Rotation speed

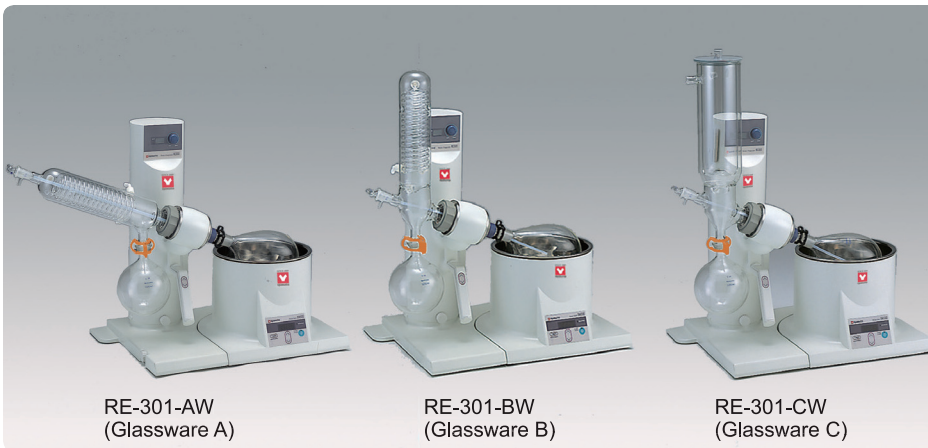
20~250rpm

Temperature
range

Water Bath
Room temperature +5~90°C

Oil Bath

Room temperature +10~180°C



RE-301-AW
(Glassware A)

RE-301-BW
(Glassware B)

RE-301-CW
(Glassware C)

- 원터치 전자식 리프트로 상하 이동이 용이함
- 증발기의 모터 속도(RPM)가 디지털로 설정 및 표시
- 최대 2L플라스크에 적합한 내구성이 뛰어난 진공 seal
- 저속 및 고속에서 안정적인 회전
- 정전시 리프트 업 스위치 장착
- 손쉬운 청소 및 물 교환을 위한 탈착식 bath, water나 oil bath 옵션 품목
- compact 디자인으로 홈 후드에 적합
- 범용 전원 공급 장치 : 100-240VAC

Features



● Adjustable Rotary Joint

Rotary Joint의 잠금 위치 기능은 최대 80mm까지 조정 가능.
다양한 용량의 증발 플라스크를 사용할 때나 진공 seal의 접촉 위치를 옮길 필요가 있을 때 유용(특히 번호 3220033)



● Quick Release of Evaporating Flask

증발 플라스크는 플라스크 분리 너트를 돌려서 쉽고 빠르게 분리



● Motorized Lift

간단한 조작으로 모든 모델의 표준이며 쉽게 올리거나 내릴 수 있음



● Glass Condenser

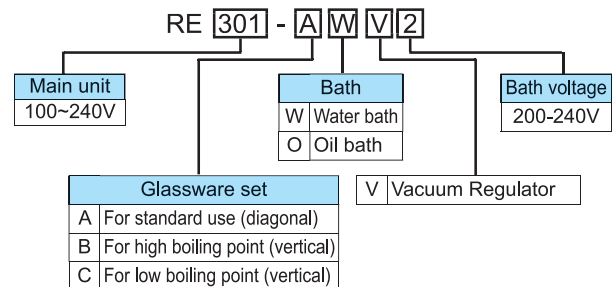
액체 정체 및 역류를 방지하고 20% 큰 표면적으로 냉각 용량을 증가 시켜보다 빠른 증류가 가능하도록 설계된 독특한 유리 응축기.
(특히 제 4597021 호)



● Control Panel

디지털 디스플레이 표시가 있는 회전 조절 다이얼식

Set Guide



Set Selection Chart

Model	Glassware			Bath (100-120V AC)		Bath (200-240V AC)		Vacuum regulator
	A	B	C	Water bath BM500	Oil bath BO400	Water bath BM510	Oil bath BO410	
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		●		●				
RE-301-BW2		●				●		
RE-301-BO		●			●			
RE-301-BO2		●					●	
RE-301-BWV		●		●				●
RE-301-BWV2		●				●		●
RE-301-BOV		●			●			●
RE-301-BOV2		●					●	●
RE-301-CW			●	●				
RE-301-CW2			●			●		
RE-301-CO			●		●			
RE-301-CO2			●				●	
RE-301-CWV			●	●				●
RE-301-CWV2			●			●		●
RE-301-COV			●		●			●
RE-301-COV2			●				●	●

Specifications

Model		RE301
Motor		DC brushless motor
Rotation speed		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 dimension	With Glassware A (mm)	828(W)×400(D)×586(H) (716 when raised)
	With Glassware B/C (mm)	643(W)×400(D)×727(H) (857 when raised)
Weight		Approx. 14.1kg (excluding glassware and water/oil bath)
Power supply Main unit(50/60Hz)		AC100~240V 1.5A(excluding water/oil bath)

Rotary Evaporator는 다양한 구성이 가능하므로 견적은 문의 바랍니다.

Operational Accessories

Glassware Set

Product code	Set
255291	Set A (use with cooling water) The Standard glass set where condenser is diagonally, suitable for standard distillation.
255292	Set B (use with cooling water) The condenser is set vertical, suitable for distillation of solvent with higher boiling points. When space is limited, the use of a vertical condenser set up is recommended.
255293	Set C (use with dry ice) 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 recommended.

Bath Specifications



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	Approx. 4L			
External dimensions	W340×D349×H231 mm			
Weight	Approx. 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	Capacity
LT00016206	29/42	2L
LT00016205	29/42	500ml
LT00016204	29/42	300ml
LT00016203	29/42	200ml
LT00016202	29/42	100ml



Receiving flask

Product code	Size	Capacity
LT00016210	35/20	2L
LT00016180	35/20	500ml
LT00016209	35/20	300ml
LT00016208	35/20	200ml
LT00016207	35/20	100ml



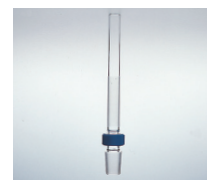
Joint

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



Trap ball

Product code	Description
RE200GT002	TS 29/42- 29/42
RE200GT003	TS 29/42- 24/40



Steam Duct / Rotary Joint

Product code	Description
LT00016211ASSY (29/42)	with o-ring and nut

Organic Solvent Recovery Unit



Model	RT200
Condenser	Hard glass
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 to a cooling water hose	Outer diameter: 9mm
IN/OUT nipple connected to a vacuum water hose	Outer diameter: 6mm
External diameter	W260×D400×H428mm

RT200 농축 작업시 회전농축기에서 발생하는 가스에서 유기 용매를 추출하여 위험 물질 배출 방지

Cooling Water Circulator (Chiller)



Model	CF301
Operating temp. range	-20°C~Room temp.
Temp. control accuracy	±2°C
Cooling capacity	~450W(387Kcal/h)at Liquid temp. 10°C ~360W(309Kcal/h)at Liquid temp. 0°C ~270W(232Kcal/h)at Liquid temp. -10°C
Temp. control	Refrigerator On/Off Control
Refrigerator, coolant	Air cooling 450W, R404A
Water bath dimension	151×151×177
Water capacity	Approx. 4L (Liquid amount 3L)
Power source	AC115V ~ AC220V
Weight	Approx. 50kg

CF301 증발 속도를 증가시키고 용매 수집을 극대화하는 안정적인 저온에서 응축기의 물을 유지합니다. 유리 제품 A 또는 B와 함께 사용

Vacuum Pump



Model	DTC-22A	DTC-22B
Discharge rate	50Hz 20L/min 60Hz 24L/min	
Ultimate pressure	1.0x10 ⁻³ Pa (7.5 Torr)	
Motor	AC115, Single phase	AC220, Single phase
	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	O.D. ø10×I.D. ø6 (G1/4)	
Weight	7.1kg	
Air temperature	0~40°C	
Overall dimensions	W142×L272×H202 mm	
Product code	DTC22A115RERKIT	DTC22B220RERKIT
Components	DTC-22A Dry Vacuum Pump, 5' of 8mm ID Rubber Hose, Hose Clamp	DTC-22A Dry Vacuum Pump, 5' of 8mm ID Rubber Hose, Hose Clamp

Vacuum Regulator



Model	VR300
Setting range of vacuum	0~981hPa
Measurable range of vacuum	0~1033hPa
Resolution of vacuum	1hPa
Setting range of hysteresis	1~50hPa
Operation modes	Free, fixed temperature, fixed temperature timer, descending and descending timer
Setting range of timer	Fixed operation 1~999min Descending operation 1~99min
Safety features	Self-diagnosis, alarm