

Rotary Evaporator



Vacuum gauge (Option)

Rotary Evaporator

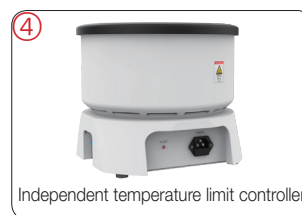
Rotary evaporators (also known as “Rotovaps”) are mainly used for distillations/separation applications often used for medicinal chemistry, pharmaceutical, chromatography, and petrochemical fields. In summary the system works by increasing the rate of evaporation of the solvent by

- (1) Reducing the pressure to lower the solvent boiling point
- (2) Rotating the sample to increase the effective surface area
- (3) Heating the solution
- (4) Then the evaporated solvent then condenses in a cooled glass condenser.

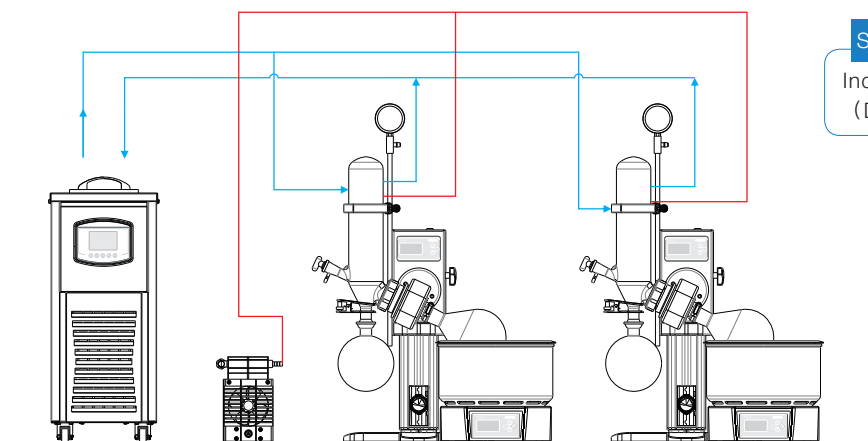
BEING Rotary Evaporator Features

- Simple design for one handed operation manually or automatically.
- A unique PTFE sealing system provides exceptional thermostability, minimizes corrosion, and helps to ensure day in day out headache free operation.
- Our Bath offers a dual heating mode for water and oil with overheat protection.
- PID controller offers easy input of parameters and large LCD display for easy viewing.
- Vacuum regulator available.

Double temperature protection



High efficiency can be cycle used for two Rotary Evaporators



Standard :DIN-12880

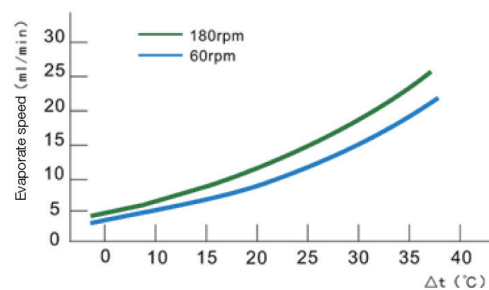
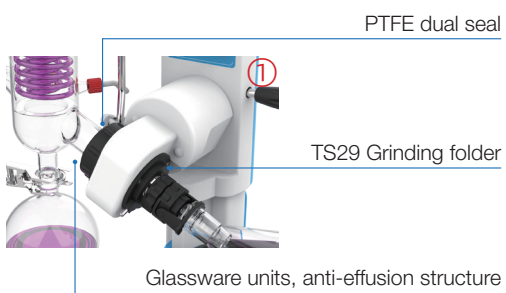
Independent temperature safety equipment, 2 class (DIN12880) .

Cooling ———

Reduce pressure ———

Working condition

- Ambient temp 20°C , AC220V 50HZ
- 1L Rotary bottle, Water 500ml
- Water Bath temp: Set at 40°C
- Coolant (alcohol/water): set the temperature at 10°C
- Rotation speed: 120rpm



Evaporate ability curve (water)

Technical parameters

Model	RV-21M	RV-21A	RV-31A
Rotation speed	20 - 300rpm		
Water bath temperature range	Water: RT+5 - 99°C , Oil: RT+5 - 180°C (Option)		
Evaporating speed	22ml/min		
Ultimate vacuum	8mbar		
Speed setting	LCD display with knob		
Lifting mode	Manual	automatic	
Motor function	N / A	DC brushless motor	
Main motor DC brushless	DC brushless motor		
Condenser	Condensate Area 0.15m ² , 1L Rotary Bottle, 1L Collecting Bottle, TS29 / 38 Bottle Clamp		
Rotary flask	1L	1L	3L
Vacuum seal	PTFE		
Interior wather bath size	φ230mm x130mm		
Water bath material	SS304 with PTFE coated		
Heating power	1000W		
Temperature range	5 - 35°C		
Electrical input	220V 50/60Hz		