

Rotary Evaporator



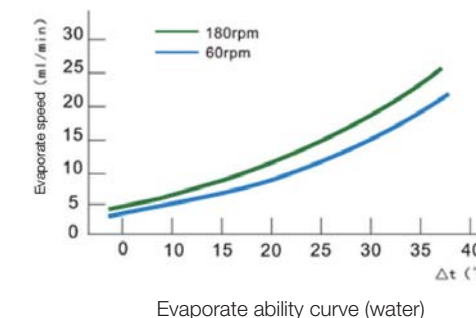
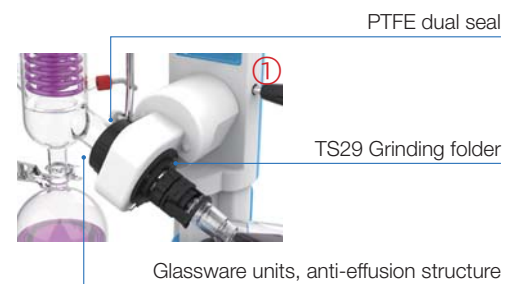
Rotary Evaporator

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.



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		



High efficiency can be cycle used for two Rotary Evaporators

