

ROTARY VACUUM EVAPORATOR

A **rotary evaporator** is a device used in chemical laboratories for the efficient and gentle removal of solvents from samples by evaporation

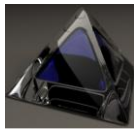
SALIENT FEATURES:



- The apparatus consists of an evaporating flask rotated by heavy duty motor in a heating water bath (Optional- Oil bath)
- Fitted with speed variable regulator knob to set RPM.
- Vacuum distillation of solvent at high and low temperature is achieved quickly. It prevents foaming and bumping of the liquid (solvent) into the evaporating flask and also distillation under controlled atmosphere.
- Spark less drive unit AC motor with assured speed regulation- 25 to 180 rpm.
- Double walled water bath with thermostatic controller.
- PTFE/Glass/Teflon sealing mechanism.
- Smooth, adjustable, maintenance free single lever manual lift.
- The evaporating flask is pear shaped to give a large surface area of evaporation.
- Evaporating flask is clamped to a glass duct which goes through the drive unit.
- The drive unit is clamped on heavy duty stand
- Condenser is fitted with standard joint at the top and the bottom for receiver flask.

SPECIFICATIONS:

Model	SAII-RVE-0.25	SAII-RVE-0.5	SAII-RVE-1	SAII-RVE-2	SAII-RVE-3
Capacity	250 ml	500 Liter	1 Liter	2 Liter	3 Liter
Rotational Speed	25-180 rpm				
Heating bath temperature	Ambient to 95°C ±1.5°C				
Condenser type	Diagonal condenser glassware (Optional: vertical condenser)				
Heating bath controller	Thermostatically controlled (Optional: Digitally controlled PID based)				
Heating bath material	Inner SS 304 & outer MS powder coated				
Height adjustable	Yes				
Lift	Mechanical				
Evaporating flask	250 ml	500 ml	1 Liter	2 Liter	3 Liter
Receiving flask	250 ml	500 ml	1 Liter	2 Liter	3 Liter
Power Supply	230 V AC, 50 Hz				



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Optional:-

- a. Double stage Diaphragm type Vacuum Pump with ultimate vacuum of 10mbar.
- b. Water Circulator Chiller of 5°C for cooling with pumping capacity of 10 lit/min at zero head
- c. Liquid circulating Chiller of -20°C for cooling with pumping capacity of 10 lit/min at zero head
- d. Vertical condenser (instead of diagonal condenser)
- e. Motorized Auto Lift System which operates up or down on touch of a button
- f. Build in digital vacuum controller
- g. Digital RPM/speed meter
- h. PID controlled digital water bath / oil bath which shows set value and process value
- i. Oli bath having temperature up to 180°C

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