

STANDARD: EN 12697-1 CLAUSE B.1.5, ASTM D2172, AASHTO T164A

The rotary evaporator is used for the recovery of soluble bitumen from bituminous pavement materials in a form suitable for further testing. The properties of the asphalt in the mixture are not changed during operation.

FEATURES

- Glass components are all 3.3 borosilicate glass, with excellent physical and chemical performance.
- Adopt PID temperature control with high precision.
- High-efficiency double reflux condenser, large condensation area, high recovery rate.
- PTFE+fluororubber double sealing ring ensures the sealing of the system.
- The bath is separated from the main unit for flexible configuration.
- The bath is equipped with a protective cover to prevent liquid splashing and improve evaporation efficiency. (R-3001 only)



R-3001



Chiller



Vacuum pump

TECHNICAL SPECIFICATIONS

Model		R-1001VN	R-3001
Speed range		20~180	10~280
Speed regulation		Stepless speed regulation	
Bath temperature control range (°C)		Room temperature +5 ~ 95, accuracy ±1.5	
Maximum evaporation capacity (water)(L/h)		0.9	1.38
Rotary flask tilt angle		15°~45°	
Condensing area (m²)		About 0.126	
Rotary flask	Volume (mL)	500/1000	
	Opening diameter (mm)	24/40 standard frosted mouth	
Recovery flask	Volume (mL)	1000	
	Opening diameter (mm)	S35 Ball milling mouth	
Bath size		Φ254mm×130mm	
Bath cover		Optional	Standard
IP Grade		IP 20	
Power supply		110V ~, 60Hz or 220-240V ~, 50/60Hz	
Rotary motor power (W)		25	40
Heating power (W)		1050	1300
Total power (W)		1080	1390
Dimensions (mm)		640W×400D×670(920)H	620W×400D×700(850)H
Minimum installation space (mm)		740W×500D×970H	720W×500D×900H
Weight (kg)		13	13.5