

Rotary Evaporator



- ✓ The MIA-25E Rotary Evaporator is designed for efficient and gentle removal of solvents from samples by evaporation. It is widely used in chemical, pharmaceutical, biotechnology, and food industries for processes such as concentration, solvent recovery, crystallization, and purification. Its precise temperature control, high-quality glass components, and reliable sealing make it ideal for research laboratories, pilot plants, and production environments requiring consistent and reproducible results.

Overview

- The main component: the use of antirust aluminum alloy, special engineering material, and high temperature and quality glass. It is compact in structure, beautiful in appearance and durable.
- Main engine drive: adopt the precision deceleration motor, electronic speed regulation gear, rack type drive device. The pore diameter of the transmission shaft is increased, so the evaporation duct is 1.5 times larger than that of the general instrument, and the efficiency of evaporation is improved.
- Lifting mechanism: using the principle of point contact mechanical collection, hydraulic auxiliary drive to achieve rapid rise, stable speed decline function, improve the efficiency.
- Evaporation pipe: high quality and high temperature glass, fluoroplastic composite composition. The two ends are fitted with silicon urine conforms to the seal ring, and the vacuum seal is sealed well. It has long service life and can be removed and replaced regularly on demand.
- Heating tank: using the Teflon aluminum alloy composite pot (23*13). The protection of the special engineering of the coat, all enclosed electric heating is installed on the base of antirust aluminum alloy, stable and reliable.

Main Technical Parameters

Model	MIA-25E
Glass material	GG-17
Stand material	–
Rotational power	40W
Speed of rotation	0-200rpm/min
Heating power	1.5KW
Temperature control accuracy	± 1°C
Lifting power	15W
Lifting stroke	0-180mm
Speed regulation mode	Electronic stepless speed regulation
Speed display mode	LCD display
Temperature display mode	LCD display
Sealing method	Teflon sealed
Lifting method	The main engine is automatically lifted and lowered
Condenser	Vertical condenser 85*375
Continuous dosing	19# standard port feeding valve
Vacuum level	0.1Mpa
Glass temperature range	-80-250°C
Pot shell size	285x260x210H(mm)
Temperature control mode	Pt100 sensor digital display intelligent temperature control
Pot bladder material	Teflon Compound Pot Fully enclosed Heat 285x140
Collect bottle volume	3000ml φ235mm/35# ball grinding mouth
Rotate bottle volume	5000ml φ230mm/ φ50mm flange mouth
Voltage/Frequency	220V/50Hz (110V/60Hz can be customized)
Bath temperature control range	0-90°C (water, oil dual-use)
Bath pot late capacity	φ250x140H(mm) 8.6L (can be equipped with organic transparent cover)