

DW-Mini-50 Array-type Rotary Evaporator

The DW-Mini-50 rotary evaporator is designed for precise small-volume evaporation, reduced-pressure distillation, sample concentration, and powder sample drying. It features touch-screen operation, programmable vacuum control, automatic lifting, and a dual-purpose water/oil bath for flexible laboratory applications.

Features

- Touch-screen control with 0-310 rpm rotation speed range.
- Programmable vacuum control with 10-stage gradient distillation.
- Automatic pressure release, jog pressure release, and one-touch pressure release.
- Dual-purpose water/oil bath with precise temperature control.
- Touch-control automatic balanced lifting with collision-prevention safety distance.
- Forward, reverse, and intermittent forward/reverse rotation for powder drying applications.
- Imported PTFE sealing components for enhanced sealing, corrosion resistance, and wear resistance.



Specifications

Model	DW-Mini-50
Touch Screen Display	Rotation speed: 0-310 rpm
Vacuum Control Range	0 to -0.1 MPa (0-1013 mbar), accuracy: +/-1
Vacuum Functions	Freely adjustable vacuum degree; automatic pressure release after experiment; jog pressure release; one-touch pressure release
Program Control	10-stage gradient distillation program control for step-by-step vacuum adjustment during synthesis, chromatography, and reduced-pressure distillation
Data Storage	Stores multiple commonly used experimental data sets; one-touch start for rapid distillation
Evaporation Capacity	Max. 25 ml/min (H ₂ O)
Ultimate Vacuum	Internal vacuum can reach 2 mbar when equipped with a high-pumping-rate vacuum pump
Temperature Range	Dual-purpose water/oil bath. Water bath: room temperature to 99 deg C, +/-0.5 deg C; oil bath: room temperature to 210 deg C, +/-2 deg C
Bath Material	One-piece molded Teflon composite bath
Lifting Stroke	Touch-control automatic balanced lifting; lifting stroke: 60 mm. A fixed 20 mm safety distance is reserved at the lowest position to prevent collision.
Sample Flask Rotation	Forward rotation, reverse rotation, and intermittent forward/reverse rotation. Intermittent time adjustable from 0 to 60 s; suitable for drying powder samples.
Safety Performance	Timer: 0-999 min. When the preset time is reached, the equipment automatically stops and returns to standby mode; warning and protection functions included.
Heating Power	800 W
Applicable Sample Flask Capacity	25-500 ml
Sealing Components	Imported PTFE and special synthetic materials, molded by special processing technology to improve sealing performance, corrosion resistance, and wear resistance
Condenser	Vertical serpentine condenser with triple ground joints; condensing area: 0.18 m ² ; designed with liquid dripping point and anti-backflow structure to improve efficiency
Standard Configuration	24#/42 pear-shaped flask 250 ml x 1; S35 spherical ground-joint receiving flask 500 ml x 1
Power Supply	AC 220 V / 50 Hz