

DW-VRT-100 DW-VRT-200 DW-VRT-500

Intelligent Control Rotary Evaporator

Features

- Big color touch screen with menu interface displaying several data.
- Automatic lifting with safety stop and timing function.
- Data storage for the commonly used experiments, which makes rapid distillation started with a button press.
- Equipped with USB interface, which realize data export and print function.
- Heating bath with Teflon coating, which is easy to clean, anti-corrosive and high temperature resistant as well.
- Vertical condenser with drip point design, which prevents back flow.
- Unattended mode with safe operation function, which is in automatic standby mode after the experiment.
- Integral glass spindle, which makes steady startup and positive and negative rotating available.
- Special design of bottle pulling switch, which is easy to disassemble the evaporation flask.
- Anti-dry protection with over temperature alarm and automatic standby function.
- Built-in vacuum control system which is easy and quick to operate.
- Safety handle design on heating bath prevents scald.
- Compact structure design, which saves a lot space.
- Sealing is made up of imported PTFE with special technique.



Specifications

Model	DW-VRT-100	DW-VRT-200	DW-VRT-500
Rotating Speed	0~130rpm/min		
Vacuum control	Vacuum control range;0~-0.1Mpa(0~1013mbar);Accuracy±1 , Vacuum degree can be controlled arbitrarily。 At the end of the experiment, automatic pressure relief, point/key pressure relief functionIt can be controlled by 10-stage gradient distillation program, and the vacuum degree can be controlled step by step during vacuum distillation by synthesis experiment. Commonly used 40 kinds of experimental data storage, one - button start, fast distillation.		
Evaporation capacity	Max.3.5L/H(H2O)	Max.5L/H(H2O)	Max.9L/H(H2O)
Vacuum of equipment	The internal limit vacuum of the equipment can reach 1 ~ 8mbar		
Temperature range	Water and oil dual-purpose pot bath: room temperature ~99℃, ±0.5; (Oil bath and steam temperature display can be added)		
Bath Material	①Disposable molded Teflon coating, easy to clean, corrosion resistance, high temperature resistance ②Heating pot with safety handle, shell insulation, prevent scald, moderate volume, rapid heating ③Equipped with transparent protective cover: heat preservation, energy saving, explosion-proof, anti-splash.		
Bath size	φ35*22cm	φ45*26cm	φ55*32cm
Sample bottle	Positive rotation, reverse rotation, intermittent positive and negative rotation, intermittent time adjustable 0~60s, can be used in powder sample hair drying treatment.		
Lift stroke	Touch screen automatic balancing lifting(lifting stroke 0 ~ 160mm) The end point of the descent has a safe distance to prevent collision.	Touch screen automatic balancing lifting (lifting stroke 0 ~ 190mm) The end point of the descent has a safe distance to prevent collision.	
Temperature Control	Double touch screen control system, digital display, overtemperature warning lifting automatic, automatic pressure relief, equipment shutdown function.		
Temperature setting	Touch type digital input setting, dual screen control display, convenient and fast.Steam temperature monitoring function (optional for specific users)		
Safety performance	Anti-dry burning overtemperature warning, abnormal warning of rotating motor, automatic lifting of test bottle to the highest; Timing function (0~999min), after reaching the predetermined time, the equipment will automatically relieve pressure, lift and lift the evaporation bottle, and the equipment will be ready for early warning protection.		
Heater	Fully enclosed heater		
Power	3.5KW	5KW	6KW
Application scope of sample bottle	5~10L	5~20L	5~50L
Sealing unit	Imported PTFE special synthetic material is selected, which is processed by special technology to synthesize abrasive tools, enhancing sealing, anti-corrosion and wear resistance.		
Condenser	Vertical, three-layer ball grinding mouth snake condensing tube, condensing area of 0.58m²,	Vertical, three-layer ball grinding mouth snake condensing tube, condensing area of 0.96m²	Vertical, three-layer ball grinding mouth snake condensing tube, condensing area of 2m².Designed with explosion-proof glass elbow, strong evaporation capacity, convenient installation.
Service ambient temperature	5~40℃		
Voltage	AC220V/50HZ		
Size	1060*550*1700mm	1250*600*1800mm	1345*770*2140mm
Weight	95KG	110KG	140KG