

# Compact Centrifugal Evaporator Model CVE-2000

Built-in vacuum pump 3kPa. is corrosion resistant.

Extra vacuum source can be connected.

Temperature setting range is room temperature +5 ~ 80°C.

Magnetically coupled drive system assures no leakage, no contamination and maintenance-free.

Nitrogen gas inlet is useful for the application of easily oxidized sample, such as DNA, peptides and enzymes.

Membrane filter (0.2 $\mu$ m) avoids contamination when taking air into chamber.



## Applications

Concentration of DNA, RNA, peptides synthesis, drug or substation.

Removal of extracted solvent

Pretreatment or post-treatment for HPLC

Concentration or dry after ethanol precipitation

## Specifications

Model	CVE-2000
Concentration method	Vacuum concentration by centrifugal force
Rotation speed	2750/3250rpm fixed
Ultimate vacuum	3000Pa. (built-in vacuum pump) 1333Pa (10 Torr or less) with external vacuum pump.
Temperature control	Thermistor On/Off control
control range	Room temperature +5 ~ 80°C
setting	Digital setting and digital readout
Safety feature	Overheat protector, Motor brake at lid opening
Rotor	Option
Heater	90W
Motor	40W output
Vacuum seal	Sealless magnetically coupled drive
Vacuum gauge	Bourdone tube type, (-100 ~ 0 kPa)
Air filter	0.2 $\mu$ m
Vacuum release valve	Manual, slow release
Chamber interior	Stainless steel SUS 304 with corrosion resistant coat 160 dia. x 100 H mm
Vacuum nozzle	OD 9mm for built-in vacuum pump OD 10 mm for external vacuum pump
Environment temperature	5 ~ 35°C
Overall dimensions	240W x 260D x 260H mm
Net weight	10 Kg
Power consumption	2.5/3.0A 250/300VA
Power source	AC100V 50/60Hz