Vacuum Centrifugal Concentrator

VCC-A1

Application

It is used in DNA/RNA research, biochemistry, bioanalysis, immunoassay, food safety, residue analysis, environmental testing, life sciences, molecular biology, academic research, forensic medicine, pharmaceutical analysis, high performance liquid chromatography (HPLC), synthesis and separation of organic substrates, toxicology identification, forensic identification, solid-phase extraction (SPE), general laboratory concentration, etc.

Features

- **Space-saving:** Small volume with large capacity, with a width of only 28cm.
- **Corrosion resistance:** The centrifuge chamber is treated with Teflon coating and the tubing is made of PTFE material.
- **Easy operation:** One-button start/stop function to avoid accidental operation.
- **Temperature quick settings:** Room temperature, 30ºC, 45ºC, 60ºC, ensuring safe and efficient sample concentration.
- All gas contact parts are made of polytetrafluoroethylene (PTFE) material, which has strong resistance to chemical corrosion.

Optional Accessories

Rotor

66×1.5ml

24×5ml

10×15ml

6×50ml

Cold Trap

Low-temperature
Cold Trap
CT-J50 (-50℃)

Vacuum Pump

Corrosion-Resistant
Diaphragm Pump
VACP-D480

Specification

Model	VCC-A1
Speed Range	1800rpm
Max. Centrifugal Force	380×g
Timing Range	0~9999min
Temperature Control Range	RT.+5℃~+70℃
Sound Emission	≤55dB (A)
Standard Rotor	66×1.5ml
Electricity	AC 220V, 50Hz/60Hz, 10A
Power	1000W
External Dimension	350*280*290mm
Net Weight	18kg

Vacuum Centrifugal Concentrator

VCC-AR1

- Speed Range: 800rpm~2000rpm
- Max. Centrifugal Force: 530×g
- Temperature Control Range: RT.+5℃~+100℃
- With new electromagnetic drive system

Application

It is used in DNA/RNA research, biochemistry, bioanalysis, immunoassay, food safety, residue analysis, environmental testing, life sciences, molecular biology, academic research, forensic medicine, pharmaceutical analysis, high performance liquid chromatography (HPLC), synthesis and separation of organic substrates, toxicology identification, forensic identification, solid-phase extraction (SPE), general laboratory concentration, etc.

Features

- It is suitable for proteomics, genomics, molecular biology and natural product research.
- The control system is more intelligent, precise and efficient.
- Equipped with a fully automatic vacuum control system, with a control range of 0.1~100mbar.
- The new electromagnetic drive system features a dual rotor overlapping design, offering large capacity, high efficiency and low vibration.
- The two-stage temperature control design effectively protects sample safety.
- There are 4 sets of quick program buttons and 30 sets of user stored programs.

Specification

Model	VCC-AR1
Speed Range	800rpm~2000rpm
Max. Centrifugal Force	530×g
Timing Range	1~9999min
Vacuum Control Range	0.1~100mbar
Temperature Control Range	RT.+5℃~+100℃
Temperature Control Accuracy	±1℃
Ultimate Vacuum Value	≤0.2mbar
Sound Emission	≤55dB (A)
Electricity	AC 220V, 50Hz/60Hz, 10A
Power	1100W
External Dimension	481*370*294mm
Net Weight	28.5kg

Advantages

- **Small volume & large capacity**
  180pcs. 1.5/2.0ml samples concentration each time.
- **Vacuum control system**
  Original from Germany, more stably, precise and efficient.
- **New electromagnetic drive system**
  High torque, low vibration, corrosion-resistant.
- **Corrosion-resistant design**
  Resistant to organic solvents.

Optional Accessories

Cold Trap

Low-temperature
Cold Trap
CT-J50 (-50℃)

Vacuum Pump

Corrosion-Resistant
Diaphragm Pump
VACP-D480

Optional Accessories

Rotor			
	 90×1.5ml	 24×5ml+66×1.5ml	 54×1.5ml+48×0.6ml
 72×5ml (Round Bottom)	 24×8×0.2ml	 40×10ml	 8×50ml
 20×15ml (Conical Bottom)	 64×2ml (Glass Vial)	 16×20ml (Penicillin Bottle)	 10×30/40ml (Penicillin Bottle)
 6×100ml (Chicken Heart Bottle)		 2×96 Microplate	

Refrigerated Centrifugal Concentrator

VCC-AR1P

- Speed Range: 800rpm~2000rpm
- Max. Centrifugal Force: 530×g
- Temperature Control Range: -5℃~+100℃
- Sample Chamber Pre-Cooling Function: Yes

Application

It is used in DNA/RNA research, biochemistry, bioanalysis, immunoassay, food safety, residue analysis, environmental testing, life sciences, molecular biology, academic research, forensic medicine, pharmaceutical analysis, high performance liquid chromatography (HPLC), synthesis and separation of organic substrates, toxicology identification, forensic identification, solid-phase extraction (SPE), general laboratory concentration, etc.

Features

- The control system is more intelligent, precise and efficient.
- Low temperature concentration is more suitable for sensitive samples.
- Fully automatic vacuum control system inside ,with a control range of 0.1~100mbar and control precision of ±0.1mbar.
- Automatically releases vacuum pressure through an imported pressure relief valve, making operation simple and safe. It also features an automatic switch function.
- Two-stage temperature control design to ensure sample safety.
- 4 sets of program shortcut keys and 30 sets of user stored programs.
- A wide range of accessories, including more than 20 different rotors, are available to meet various experimental requirements.

Specification

Model	VCC-AR1P
Speed Range	800rpm~2000rpm
Max. Centrifugal Force	530×g
Timing Range	1~9999min
Vacuum Control Range	0.1~100mbar
Sample Chamber Pre-Cooling Function	Yes
Temperature Control Range	-5℃~+100℃
Temperature Control Accuracy	±1℃
Ultimate Vacuum Value	≤0.2mbar
Sound Emission	≤60dB (A)
Electricity	AC 220V, 50Hz/60Hz, 10A
Power	1200W
External Dimension	608*370*348mm
Net Weight	48.6kg

Advantages

- **Small volume & large capacity**
  180pcs. 1.5/2.0ml samples concentration each time.
- **Vacuum control system**
  Original from Germany, more stably, precise and efficient.
- **New electromagnetic drive system**
  High torque, low vibration, corrosion-resistant.
- **Corrosion-resistant design**
  Resistant to organic solvents.

Optional Accessories

Cold Trap

Low-temperature
Cold Trap
CT-J50 (-50℃)

Vacuum Pump

Corrosion-Resistant
Diaphragm Pump
VACP-D480

Optional Accessories

Rotor


90×1.5ml


24×5ml+66×1.5ml


54×1.5ml+48×0.6ml


24×8×0.2ml


20×10ml (Round Bottom)


40×10ml


8×50ml


20×15ml (Conical Bottom)


64×2ml (Glass Vial)


8×40ml +8×10ml
(Penicillin Bottle)


16×20ml (Penicillin Bottle)


6×100ml (Chicken Heart Bottle)


2×96 Microplate