



Desktop variable speed refrigerated centrifuge



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DS-4021R



Product Introduction

This series production is suitable for a variety of different rotors. It can be used for multiple purposes and used for 4X750 ml large-capacity centrifugation, also it can be used for fixed angle rotor centrifugation with the maximum speed of 21000 rpm. It can be used in the fields of RIA, molecular chemistry, biopharming, cell culture isolation, clinical medicine and others.

The NCP material rotor has unique patented technology, ultralight, high strength, slow heat conduction, strong corrosion resistance and fast lifting and lowering speed.

Product Function

- Multiple types of rotors and adapters can be widely selected, which can be applied from 0.2 ml to 750 ml low speed centrifuge tube, multi-well plate, most types of culture bottles and a few blood bags.
- The biosafety centrifuge, biosafety airtightness rotor and biosafety airtightness adapter can be optionally equipped to prevent biological pollution through triple safety protection. It is suitable for centrifugation of dangerous samples, such as infectious virus, infectious bacteria and radioactive samples.
- Multiple centrifugal functions: Set the speed up and down time freely, Set the centrifuge procedure in 10 stages, set the Instant centrifugation, Set the timed startup function.
- Adopted electronic door lock, all-steel inner cavity protection sleeve, T45 cold-rolled steel body, 304 stainless steel centrifugal cavity; Quadruple metal security protection and buffer material to protect personal safety.
- The 10 gear acceleration and deceleration respectively control the braking time. Use soft start/stop technology to avoid secondary mixing when reduction.
- Refrigeration function: Environmentally friendly refrigerant 134 A is used and the temperature in stainless steel bowl can still be stabilized at 4 °C at the highest speed. The rapid pre-cooling function decreases from 25 °C to 4 °C within 8 minutes.
- Intelligent temperature control system can adjust the cooling operation time of equipment when the door cover is open/closed.
- Three level rubber damping has good automatic balance function and imbalance switch function to protect personal safety.
- It has the function of automatic rotor identification to prevent the potential safety hazard caused by the user selecting the wrong rotor.
- 5-inch touchscreen for easy operation. Parameter setting: centrifugal force can be accurate to 1 x g, The speed can be accurate to 1 rpm, The time can be accurate to one second. The large screen can simultaneously display speed, centrifugal force, time, temperature, acceleration and deceleration.

Model	DS-4021R
Max. Speed	21000 rpm
Max. RCF	32040xg
Max. Capacity	4x750ml
Time Set	1s–99min 59s / 1min–99h 59min
Temperature Setting Range	-20°C — 40°C
Temperature Accuracy	±1.0°C
Operation Mode	Touch panel
Power Range	AC 220±22V 50Hz 16A
Power Consumption	1500W
Noise Level	≤65dB(A)
Diameter of Stainless Bowl	420 mm
Dimensions (D x W x H)	640x610x340mm
Speed Accuracy	±10 rpm/min
Net Weight	85 kg

No	Rotor	Capacity	Max.Speed	Max.RCF
	Fixed angle rotor angle≥45°	6×50ml	10000rpm	14000xg
	Fixed angle rotor angle≥30°	6×50ml	12000rpm	16980xg
	Fixed angle rotor angle≥30°	12×50ml	8000rpm	10600xg
	Fixed angle rotor angle≥30°	6×100ml	11000rpm	15200xg
	Fixed angle rotor angle≥30°	6×250ml	8000rpm	11840xg
	Swing-out rotor body		4000rpm	3580xg
	Bucket	(4×750ml)	4000rpm	3580xg
Adapter	4×500ml, 4×250ml, 4×3×100ml, 4×7×50ml			
	4×14×15ml, 4×14×10ml, 4×24×5ml, 4×30×1.5/2ml			
			4000rpm	3040xg