



Desktop variable speed centrifuge



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DS 4020N/DS 4020R



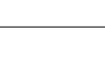
Product Introduction

- This series production is suitable for variety different rotors. It can be used for multiple purposes and used for 4x750 ml large-capacity centrifugation and 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.
- Surface of machine using fine grain coating process.

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 rot 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. It uses soft start/stop technology to avoid secondary mixing when reduction.
- Refrigeration function: Environmentally friendly refrigerant 134A is used, and the temperature in the 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 lid 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 touch screen 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 and other parameters. Parameters can be changed during operation without stopping.

MODEL	DS 4020R (Refrigerated)	DS 4020N (Normal)
Max. Speed	21000rpm	21000rpm
Max. Capacity	4X750ml	4X500ml
Max. RCF	32040xg	32040xg
Speed Accuracy	±10rpm/min	21000rpm
Time Set	1s-99min59s / 1min-99h59min	1s-99min59s / 1min-99h59min
Temp. Setting Range	-20°C — 40°C	/
Temp. Accuracy	±1.0°C	/
Operation Mode	Touch panel	Touch panel
Power Consumption	1200W	800W
Noise Level	≤65dB(A)	≤60dB(A)
Power Range	AC 220±22V 50Hz 16A	AC 220±22V 50Hz 16A
Dimensions (DXWXH)	640X610X340(mm)	550X470X350(mm)
Net Weight	85KG	50KG

No	Rotor	Capacity	Max.Speed	Max.RCF
	Fixed angle rotor	12×1.5/2ml	21000rpm	32040xg
	Fixed angle rotor	48×1.5/2ml	12000rpm	14890xg
	Fixed angle rotor	12×10ml	13000rpm	19690xg
	Fixed angle rotor angle≥30	12×15ml	12000rpm	15450xg
	Fixed angle rotor angle≥30°	6×50ml	12000rpm	16980xg
	Fixed angle rotor angle≥30°	6×100ml	11000rpm	15200xg
	Swing-out rotor 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,4×26×1.5/2ml,4×14×10ml (blood collection tube), 4×21×2/5/7ml(blood collection tube)			
	Swing-out rotor body		4000rpm	3580xg
	bucket	4×750ml	4000rpm	3580xg
Adapter	4×500ml, 4×250ml, 4×3×100ml, 4×7×50ml, 4×24×10ml(blood collection tube)			
	4×14×15ml, 4×14×10ml, 4×24×5ml, 4×30×1.5/2ml, 4×30×2/5/7ml(blood collection tube)			
	Enzyme plate basket		4000rpm	3040xg
	Horizontal rotor	4×500ml	4000rpm	3500xg
Adapter	4×250ml, 4×100ml, 4×4×50ml, 4×9×15ml, 4×9×10ml			
	4×20×5ml, 4×14×1.5/2ml, 4×12×10mlvacuum tube, 4×24×2/5/7mlvacuum tube			