



Floor-Standing High Speed Refrigerated Centrifuge



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Darsun Scientific Floor-Standing High Speed Refrigerated Centrifuge DS-F25MC

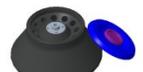
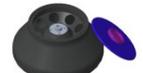


Description

The floor-standing refrigerated centrifuge DS-F25MC is designed for handling substantial sample volumes with its 4x1000ml fixed rotor and swing-out rotor capabilities. Widely employed in blood stations, pharmaceutical factories, biochemistry labs, and biological product research, this centrifuge excels in tasks such as blood separation, protein precipitation, and cell collection. It meets stringent quality standards.

- CFC-free cooling system with high-efficiency environmental protection refrigeration and dual circuit control for precise temperature control.
- Programmable and storable, storing up to 30 programs accessible with one keystroke save. Stored parameters remain in memory even after centrifugation is switched off.
- 10-speed acceleration and deceleration curves to effectively avoid secondary sedimentation, ensuring better centrifugation.
- Automatic lid-locking and holding during rotor run.
- Easily exchangeable rotors with a special connector for convenient loading and unloading.
- Self-diagnostic system with high-strength chamber coating and protective features.
- "Mute" patented technology ensures operational noise is less than 58 decibels even at the highest speeds.
- Automatic RPM/RCF conversion and rotor identification system to prevent over-speeding.
- Autoclave-able steel body and stainless steel chamber with a super hard aluminum alloy rotor for exceptional sealing and sterilization resistance.
- Microprocessor control and frequency conversion motor drive.
- Observations window on the lid for speed calibration and noise measurement.
- Touch color large screen displaying Speed, Timer, RCF, Rotors, Program(Memory), Acceleration & Deceleration information, and Error codes.
- Wind cover shield to prevent air currents from affecting the specimens being processed.
- Rotor made of a super hard aluminum alloy with excellent sealing and unlimited high-temperature and high-pressure sterilization resistance.
- Double-layer silicone seal rings on the door cover and body for enhanced sealing.
- Produced in compliance with international safety regulations (e.g., IEC 61010).
- Safety Electrical lid interlock prevents the door from opening when the rotor is running and the machine won't run when the lid is open, displaying error codes if necessary.
- Automatic rotor locking function eliminates the need to manually tighten the rotor head. The automatic rotor identification system prevents the wrong rotor from running, ensuring personnel safety and centrifuge stability.
- Emergency lid-lock release activates during power failure, preventing accidents in unexpected power interruptions.
- Gas hinge for lid drop protection.
- Equipped with door cover protection, over-speed, over-current, and advanced electronic unbalance detection system, ensuring real-time monitoring of the centrifuge process and ensuring safe operation.

Model	DS-F25MC
Max. Speed	25000rpm
Speed accuracy	±10rpm
Max.Capacity	4x1000ml
Max. RCF	64800xg
Daily use program	30
Temp.range(at RT 25°C)	-20°C ~40°C
Noise	< 60dB(A)
Motor	AC frequency conversion motor, direct drive
Screen	Touch LCD color+digital screen
Control	advanced CPU control system
Timer range	1-99h59min
Temp accuracy	+1°C
Acceleration/Deceleration Rate	10
Refrigerant	R404A
Dimension	860×730×1200mm(L×W×H)
Packing Size	920×790×1700mm(L×W×H)
Net weight	220kg
Gross weight	250kg
Power supply	AC220v 50Hz 30A,5kw

No.	Rotor	Capacity	Max.speed	Max. RCF	Note
NO.1	 Fixed Angle Rotor	24×1.5ml	25000r/min	64800xg	PP/PCtube
NO.2	 Fixed Angle Rotor	16×10ml	23000r/min	56880xg	PP/PCtube
NO.3	 Fixed Angle Rotor	12×15ml	18000r/min	36220xg	PP/PCtube
NO.4	 Fixed Angle Rotor	8×50ml	21000r/min	52360xg	PP/PCtube
NO.5	 Fixed Angle Rotor	6×100ml	18000r/min	38460xg	PP/PCtube
NO.6	 Fixed Angle Rotor	6×250ml	12000r/min	22500xg	PP/PCtube
	 Adapter	6×50ml			
NO.7	 Fixed Angle Rotor	6×500ml	10000r/min	17800xg	PP/PCtube
NO.8	 Fixed Angle Rotor	4×1000ml	8000r/min	12000xg	PP/PCtube