

BENCHTOP HIGH SPEED REFRIGERATED CENTRIFUGE

DSL-18



Product Overview

DSL-18 is a high speed refrigerated centrifuge runs up to 18000rpm. Although the centrifuge is compact, it can run up to 6x100ml. The centrifuge has good refrigeration system-imported compressor unit, PID dynamical temperature control. The centrifuge equipped with DARSUN RFID automatic rotor identification technology and imbalance detection by three axis gyroscope.



Product Features

USER-FRIENDLY FUNCTIONS

- >up to 1000 user-defined programs
- >up to 100000 run histories
- >up to 40 rates acceleration and deceleration, speed downs curvily slowly from 600rpm to 0rpm to prevent samples shake
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation
- >Curve display---Speed curve, RCF curve and Temperature curve are displayed together, clear to see their changing and relations.

REFRIGERATION

- >High quality compressor unit
- >-20°C to +40°C, 1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module

ENSURE SAFETY

- >Automatic rotor identification by RFID
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >User management with permission allocation
- >Various protections to ensure safe centrifugation
- >With never be lost electronic instruction manual

GOOD COMPONENTS

- >Motor: Variable frequency motor.
stable running, maintenance free, long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating.
anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor;
Steel swing out rotor.
- >Rotors are autoclavable

Model	DSL-18
Max speed	18000rpm
Max RCF	29684xg
Max capacity	6*100ml
Temperature range	-20°C to +40°C
Temperature accuracy	±1°C
Timer range	1s to 99h59m59s
Speed accuracy	±10rpm
Noise	≤56dB(A)
Power consumption	1200w
Dimension	420x520x360mm
Net weight	56kg

LCD TOUCH SCREEN

- >Simple and clear to show all parameters
- >Touch screen, easy to set parameters
- >RCF can be set directly
- >Intelligent status display, real-time and real values
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

AVAILABLE ROTORS FOR **DSL-18**

 <p>Rotor:Fixed angle rotor Capacity:12x1.5/2.2ml Max speed:18000rpm Max RCF:22675xg Tube size:Φ11x42mm</p>	 <p>Rotor:Fixed angle rotor Capacity:12x 5ml Max speed:16500rpm Max RCF:22128xg Tube size:Φ14x54mm</p>	 <p>Rotor:Fixed angle rotor Capacity:24x1.5/2.2ml Max speed:16000rpm Max RCF:24814xg Tube size:Φ11x42mm</p>
 <p>Rotor:Fixed angle rotor (aerosol tight) Capacity:24x1.5/2.2ml Max speed:17500rpm Max RCF:29684xg Tube size:Φ11x42mm</p>	 <p>Rotor:Fixed angle rotor Capacity:12x10ml Max speed:14500rpm Max RCF:19439xg Tube size:Φ16x86mm</p>	 <p>Rotor:Fixed angle rotor Capacity:36x1.5/2.2ml Max speed:14500rpm Max RCF:20356xg Tube size:Φ11x42mm</p>
 <p>Rotor:Fixed angle rotor Capacity:6x50ml conical bottom Max speed:12000rpm Max RCF:15712xg Tube size:Φ29x116mm</p>	 <p>Rotor:Fixed angle rotor Capacity:6x50ml round bottom Max speed:12000rpm Max RCF:15712xg Tube size:Φ29x111mm</p>	 <p>Rotor:Fixed angle rotor Capacity:48x1.5/2.2ml Max speed:12000rpm Max RCF:15712xg Tube size:Φ11x42mm</p>
 <p>Rotor:Fixed angle rotor Capacity:4x100ml Max speed:11000rpm Max RCF:13365xg Tube size:Φ38x123mm</p>	 <p>Rotor:Fixed angle rotor Capacity:8x50ml conical bottom Max speed:11000rpm Max RCF:14041xg Tube size:Φ29x116mm</p>	 <p>Rotor:Fixed angle rotor Capacity:8x50ml round bottom Max speed:11000rpm Max RCF:13365xg Tube size:Φ29x111mm</p>
 <p>Rotor:Fixed angle rotor Capacity:12x15ml Max speed:11000rpm Max RCF:13365xg Tube size:Φ17x121mm</p>	 <p>Rotor:Fixed angle rotor Capacity:6x30ml Max speed:14000rpm Max RCF:18472xg Tube size:Φ25.5x100mm</p>	 <p>Rotor:Fixed angle rotor Capacity:6x10ml Max speed:16000rpm Max RCF:19004xg Tube size:Φ16x86mm</p>
 <p>Rotor:Fixed angle rotor Capacity:8x15ml Max speed:14000rpm Max RCF:17333xg Tube size:Φ17x121mm</p>	 <p>Rotor:Microplate rotor Capacity:2x2x48 well plate Max speed:4000rpm Max RCF:1538xg max: 128x48x60mm</p>	 <p>Rotor:Fixed angle rotor Capacity:8x0.2ml PCR strip Max speed:13000rpm Max RCF:14643xg</p>
 <p>Rotor:Fixed angle rotor Capacity:6x100ml Max speed:9000rpm Max RCF:9771xg Tube size:Φ38x123mm</p>	 <p>Rotor:Fixed angle rotor Capacity:24x2ml (frozen storage tube) Max speed:15000rpm Max RCF:23419xg Tube size: Φ11.5x45mm</p>	