

BENCHTOP HIGH SPEED REFRIGERATED CENTRIFUGE

DSL-20



Product Overview

DSL-20 is a high speed refrigerated centrifuge runs up to 20000rpm. Although the centrifuge is compact ,it can runs 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 curvly 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 manua

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-20
Max speed	20000rpm
Max RCF	31405xg
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-20**

 <p>Rotor:Fixed angle rotor Capacity:12x1.5/2.2ml Max speed:20000rpm Max RCF:27994×g Tube size:Φ11x42mm</p>	 <p>Rotor:Fixed angle rotor Capacity:12x 5ml Max speed:17000rpm Max RCF:23489×g Tube size:Φ14×54mm</p>	 <p>Rotor:Fixed angle rotor Capacity:24x1.5/2.2ml Max speed:16000rpm Max RCF:24814×g Tube size:Φ11x42mm</p>
 <p>Rotor:Fixed angle rotor (aerosol tight) Capacity:24x1.5/2.2ml Max speed:18000rpm Max RCF:31405×g Tube size:Φ11x42mm</p>	 <p>Rotor:Fixed angle rotor Capacity:12x10ml Max speed:15000rpm Max RCF:20803×g Tube size:Φ16×86mm</p>	 <p>Rotor:Fixed angle rotor Capacity:36x1.5/2.2ml Max speed:15000rpm Max RCF:21784×g Tube size:Φ11x42mm</p>
 <p>Rotor:Fixed angle rotor Capacity:6x50ml conical bottom Max speed:12500rpm Max RCF:17049×g Tube size:Φ29×116mm</p>	 <p>Rotor:Fixed angle rotor Capacity:6x50ml round bottom Max speed:12500rpm Max RCF:17049×g Tube size:Φ29×111mm</p>	 <p>Rotor:Fixed angle rotor Capacity:48x1.5/2.2ml Max speed:12500rpm Max RCF:17136×g Tube size:Φ11×42mm</p>
 <p>Rotor:Fixed angle rotor Capacity:4x100ml Max speed:11000rpm Max RCF:13365×g Tube size:Φ38x123mm</p>	 <p>Rotor:Fixed angle rotor Capacity:8x50ml conical bottom Max speed:11000rpm Max RCF:14041×g Tube size:Φ29x116mm</p>	 <p>Rotor:Fixed angle rotor Capacity:8x50ml round bottom Max speed:11000rpm Max RCF:13365×g Tube size:Φ29x111mm</p>
 <p>Rotor:Fixed angle rotor Capacity:12x15ml Max speed:11000rpm Max RCF:13365×g Tube size:Φ17x121mm</p>	 <p>Rotor:Fixed angle rotor Capacity:6x30ml Max speed:14000rpm Max RCF:18472×g Tube size:Φ25.5×100mm</p>	 <p>Rotor:Fixed angle rotor Capacity:6x10ml Max speed:16000rpm Max RCF:19004×g Tube size:Φ16x86mm</p>
 <p>Rotor:Fixed angle rotor Capacity:8x15ml Max speed:14000rpm Max RCF:17333×g Tube size:Φ17x121mm</p>	 <p>Rotor:Microplate rotor Capacity:2x2x48 well plate Max speed:4000rpm Max RCF:1538×g max: 128x48x60mm</p>	 <p>Rotor:Fixed angle rotor Capacity:8x0.2ml PCR strip Max speed:13000rpm Max RCF:14643×g</p>
 <p>Rotor:Fixed angle rotor Capacity:6x100ml Max speed:9000rpm Max RCF:9771×g Tube size:Φ38x123mm</p>	 <p>Rotor:Fixed angle rotor Capacity:24x2ml (frozen storage tube) Max speed:15000rpm Max RCF:23419×g Tube size: Φ11.5x45mm</p>	