



L720R-3 Large Capacity Low Speed Refrigerated Centrifuge

L720R-3 is a large capacity low-speed refrigerated centrifuge with advance technology and reliable performance. It's popular by users for many years. 7-inch HD touch screen and user-friendly UI. Max capacity 6x2400ml, it's the first choice in the fields of blood banks, pharmacy and biological products.

Product advantages

◆Large capacity

Up to 6x2400ml capacity, it can separating 14.4L sample in one cycle, which greatly improves the production efficiency.

◆Safe Structure

The overall unit has passed MCA , (Maximum Credible Accident test)After MCA is generated, the centrifuge door lid shall not be opened, and no solid greater than 0.5mm shall blown out of the centrifuge chamber, the position movement shall not exceed 30cm, ensure the personal safety of instrument operator to the greatest extent. (MCA test video can be provided)

◆Reliable Material

Centrifuge chamber adopt 2mm thick 316L stainless steel , Housing (3mm Q235 steel) , Containment (22mm Q235 steel) , Diaphragm in door lid (2.5mm Q235 steel)

◆Energy saving

Dynamic compressor control (DCC) technology for optimized cooling performance. When the door lid is opened, the compressor is closed or the sleep time can be set to save energy. Rotor with windshield, little friction and generates little heat.

◆Built-in safety

Featuring multiple protection , Such as automatic rotor identification, imbalance protection, over-speed protection, over-temperature protection, motor overheating protection, door lid protection and so on.

◆Extensible

The system adopts unified and standard Ethernet communication interface and provides key parameter point table , to facilitate system expansion and bring data into system monitoring.

◆Programmable

Save up to 2000 user-defined program. Users can name each program to distinguish it. Each program can be divided into 5 steps (set speed, time, temperature), to meet the diversified experimental needs.

◆ACC/DEC Rates

Featuring 10 acceleration and 11 deceleration rates, to prevent the sample from second emulsion or turbid, and achieve best centrifugal effect.

◆Main interface function

In manual mode, the centrifuge parameters can be set quickly, and the G-force and speed can be switched by just touch the key. For the online monitoring of temperature and speed, the stability of temperature and speed during spinning can be viewed through the curve.

◆Powerful System Setting Function

Running data , error code record and operation record can be stored through the system setting. Chinese / English operation language optional. And user authority management and other characteristic functions can be managed as well.

Technical parameter

Order NO				
Max Speed	Angle Rotor	7200r/min	Swing Rotor	4000r/min
Max RCF	Angle Rotor	12166xg	Swing Rotor	5600xg
Max Capacity	Angle Rotor	6x1000ml	Swing Rotor	6x2400ml
Time Setting Range	two mode 1min-99h59min ,1s-99min59s optional, default mode 1min-99h59min			
Timing mode	Start Timing after Spinning, Start Timing after Reach Setting Speed, Continuous Timing, Operation at an appointed Time			
Temperature Setting Range	-20°C~40°C, Setp 1°C ajustable, The fast pre-cooling temperature can reach -20°C			
Sample Temperature Accuracy	Ensure sample (liquid) temperature accuracy controlled to ±1°C			
Temperature Accuracy	±2°C			
Speed Accuracy	±10r/min			
Power Supply	AC220±22V 50Hz			
Power Consumption	7.0kW			
Noise	≤65dB (A)			
Rotor Identification	Yes			
Imbalance Protection	Yes			
Pre-cooling function	Yes			
Computer Control	RS485 or RS232			
Protection Function	Imbalance Protection,Rotor-identification,Door Lid Anti Pinch Protection,Motor Overheating Protection,Over-Speed Protection,Over-temperature Protection			
Dimension (WxDxH)	875×1020×970 (mm)			
Packing Dimension (WxDxH)	1080×1310×1340 (mm)			
Net Weight	545kg			

Rotor parameters

<p>No:1</p>  <p>Rotor Type: Angle rotor Max Speed: 7200r/min Max RCF: 12166xg Max Capacity: 6x1000ml Order NO: 0301080100 Adapter: 24×50ml(conical/round), 6x250ml, 6x500ml</p>	<p>Can be customized</p>	
<p>No:2</p>  <p>Rotor Type: Swing Rotor Max Speed: 4000r/min Max RCF: 5600xg Max Capacity: 6×2400ml Order NO: 0302080200 (rotor, bucket and windshield included)</p>	 <p>Rectangular Bucket Max RCF: 5600xg Max Capacity: 6×2400ml Order NO: 0303891024</p>	 <p>Bottle Max Capacity: 6×2400ml Order NO: 0305536210</p>
<p>No:3</p>  <p>Rotor Type: Swing Rotor Max Speed: 4000r/min Max RCF: 5000xg Max Capacity: 6×2×1000ml Order NO: 0302080300 (rotor, bucket and windshield included)</p>	 <p>Bucket Max RCF: 5000xg Max Capacity: 6×2×1000ml Order NO: 0303891019</p>	 <p>Bottle Max Capacity: 6×2×1000ml Order NO: 0305536160 Can be customized</p>