

## High Speed Refrigerated Centrifuge Model: XZ-21K

The XZ-21K high speed refrigerated centrifuge is widely applied in laboratories for agriculture, medicine, food industry, bioengineering, cytobiology and biochemistry. It has good performance in separation and purification for microbiome, cell protein, enzyme and immunoprecipitate.

### Features:









- ☆ Gas spring to prevent falling of lid.
- ☆ Manually lid open in case of failure or emergency.
- ☆ Imbalance fault detection with auto shutdown.
- ☆ Pre-cooling during standstill. CFC free refrigeration system (refrigerant R404A or R134A).
- ☆ Metal external case. The centrifuge stands on movable castors.
- ☆ With silent-block and shock absorbers that guarantee a smooth and quiet operation.
- ☆ Reliable drive system.
- ☆ Recall of last set parameters. (Useful for repetitive analysis).
- ☆ Microprocessor control of all functions: speed, time, temperature, acceleration/deceleration, rcf, program memory, error display.
- ☆ RPM/RCF adjustable along with the run and value calculating automatically.
- ☆ The screen shows the set parameters and live values.
- ☆ Selective ac/dc rates ensure high-quality separations.
- ☆ The self-diagnostic system provides protection for imbalance, over-temperature / speed/voltage, and electronic lock.
- ☆ Induction motor maintenance free.
- ☆ Special rotor connector which makes it easy to load and unload the rotor.
- ☆ Swing-out rotor head, buckets, and adapters made of high-density material.
- ☆ Velocity hole provides a way of speed detection.
- ☆ Produced according to national and international safety standard (e.g. IEC 61010).
- ☆ ISO9001, ISO13485, CE international standards are met.



### Technical data:

Model	XZ-21K	Motor	Converter Motor, direct drive
Screen	LED screen	Control	Microprocessor Control
Max. Speed	21000rpm	Motor power	1KW
Speed accuracy	±20rpm	Refrigerator power	750W
Max. RCF	29140xg	Power supply	AC220V 50Hz 20A
Max.Capacity	4x750ml	Noise	≤58db
Temp.range	-20°C~+40°C	Net weight	180kg
Temp accuracy	±2°C	Gross weight	206kg
Timer range	1~99h59min	Dimension	740×630×1040mm(L×W×H)
Acceleration / Deceleration rates	1-10	Packing Size	860×750×1250mm(L×W×H)

### Rotor:

 No. 1 Angle Rotor	Max. Speed : 21000rpm Capacity : 12 x 0.5ml Max. RCF : 22470xg ØxL: 8.4x28.5mm	 No. 2 Angle Rotor	Max. Speed : 21000rpm Capacity : 12 x 1.5/2.2ml Max. RCF : 29140xg ØxL: 11.2x39mm
 No. 3 Angle Rotor	Max. Speed : 16000rpm Capacity : 24 x 1.5/2.2ml Max. RCF : 23800xg ØxL: 11.2x39mm	 No. 4 Angle Rotor	Max. Speed : 16000rpm Capacity : 12 x 5ml Max. RCF : 19320xg ØxL : 14x51mm
 No. 5 Angle Rotor	Max. Speed : 15000rpm Capacity : 12 x 10ml Max. RCF : 19910xg ØxL: 16.5x78.5mm	 No. 6 Angle Rotor	Max. Speed : 13000rpm Capacity : 12 x 15/10ml Max. RCF : 19495xg ØxL: 16.5x103mm
 No. 7 Angle Rotor	Max. Speed : 14000rpm Capacity : 4 x 50ml Max. RCF : 19320xg ØxL: 29.5x96mm	 No. 8 Angle Rotor	Max. Speed : 13000rpm Capacity : 6 x 50ml Max. RCF : 18550xg ØxL: 29.5x96mm
 No. 9 Angle Rotor	Max. Speed : 10000rpm Capacity : 4 x 100ml Max. RCF : 10934xg ØxL: 38.2x110mm	 No. 10 Angle Rotor	Max. Speed : 10000rpm Capacity : 4 x 250ml Max. RCF : 17680xg ØxL: 63x116mm
 No. 11 Swing Rotor	Max. Speed : 6000rpm Capacity : 4 x 10ml Max. RCF : 4495xg ØxL: 16.5x78mm	 * No. 12 Swing Rotor	Max. Speed : 4000rpm Capacity : 32 x 15ml/10ml/5ml/2ml Max. RCF : 3000xg ØxL: 18 x92mm(15ml) 18 x88mm(10ml)
 * No. 13 Swing Rotor	Max. Speed : 4000rpm Capacity : 8 x 50ml Max. RCF : 3040xg ØxL: 30.5x92mm	 * No. 14 Swing Rotor	Max. Speed : 5000rpm Capacity : 4 x 100ml Max. RCF : 4745xg ØxL: 42.5x100mm
 No. 15 Swing Rotor	Max. Speed : 4000rpm Capacity : 4 x 250ml Max. RCF : 2990xg ØxL: 63.5x90mm	 No. 16 Swing Rotor	Max. Speed : 4000rpm Capacity : 4 x 500ml Max. RCF : 3520xg ØxL: 81x105mm
 No. 17 Swing Rotor	Max. Speed : 3500rpm Capacity : 4x750ml Max. RCF : 2990xg ØxL: 89.7x137.5mm	 No. 18 Swing Rotor	Max. Speed : 4000rpm Capacity : 2x2x96holes Max. RCF : 2390xg ØxL:137x87x42mm

\*: Share same rotor body