IRIS ANALYTICAL

CENTRIFUGES



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Benchtop Low Speed Refrigerated Centrifugedesigned with the best features of a small footprint and versatile centrifuge, worked under temperature range -20℃ to 40℃. Also accommodate rotors for angle, swing rotor and swing-out ELISA plate. They are also used for radio-immunity, biochemistry, blood products, environmental protection and other research and manufacturing institutions applications.

Benchtop Low Speed Refrigerated Centrifuge IBRLC-2000 Series

Benchtop Low-Speed Refrigerated Centrifuge IBRLC-2000 Series compact and small footprint refrigerated centrifuge with a maximum capacity of 4×750ml. Designed with lock function, self-diagnostic function, and Automatic identification system for the magnetic rotor, automatic matching of corresponding rotor program, preventing misoperation and ensuring centrifugal safety. Suitable for clinical medicine, biochemistry, genetic engineering, immunological applications. Features with a 7-inch touch screen with multi-functional knob combination parameters. The IBRLC-2000is sealed and can function at low RPM owing to the ability to reduce the heat produced by higher rotation speeds worked under temperature range -20℃ to 40℃. Accommodates angle, swing rotor and swing-out rotor with the multi-pipe frame as these motor capable of accommodating a great number of tubes at once. Available with 15 profiles for acceleration and for deceleration with high efficiency.



- Energy-efficient AC brushless regulating motor
- Available with 15 profile for acceleration and 15 for deceleration, high efficiency
- New high torque frequency conversion driving motor
- Allow automatic identification system for the magnetic rotor, automatic matching of corresponding rotor program, preventing misoperation and ensuring centrifugal safety
- Double electronic door lock, full steel door cover protection, superior to industrial standards and Password lock function
- Microcomputer controlled
- Protective electronic with lock door, electric door with imbalance protection to provide more protection and safety along with automatic balancing without the need for trimming
- Designed digital 7-inch screen with multi-functional knob combination
- Eco friendly with the high-efficiency refrigerating system, able to maintain temperature under 0℃ during maximum RPM
- Centrifugal chamber is constructed with stainless steel
- Designed with air exhaust temperature and low noise compressor
- CFC-free refrigerants, refrigerating/heating double loop
- Small footprint and easy handling
- Store up to 99 program groups, 99 use records and fault records can be traced, using hours & minutes and minutes & seconds two timing options

Rotors

Rotor	Capacity		Max Speed	Max RCF
Angle rotor 1	6×50 ml, 12×10 ml		6500 rpm	5190×g
Swing out Rotor with Multi-Pipe Frame 2	4×50ml, 4×100ml, 8×50ml, 8×100ml, 16×10/15ml, 24×10/15ml, 32×10/15ml (option)		4000 rpm	2810×g
Swing out rotor	Rotor 3	4×250ml, 72×5/7ml （blood tube）	4000 rpm	3500×g
	Rotor 4	4×500/750ml, 96×5/7ml （blood tube), 120×5/7ml Hanging cup	4000 rpm	3580×g
	Rotor 5	2×2×96 holes Enzyme plate	4000 rpm	2300×g
	Rotor 6	4×2×96 holes Enzyme rotor	4000 rpm	3550×g

Model	IBRLC-2400
Capacity	4×750ml
Max RCF	5190×g
Speed Range	6500 rpm
Noise	?58dB?A?
Rotor Diameter	430 mm
Temperature Range	-20? to 40?
Revolutions/min	±10 rpm
Temperature Accuracy	±1.0?
Timer	1min to 99h, 59min, 59s
Power Consumption	1500 W
Dimension	670×700×450 mm
Packing Dimension	747×777×544 mm
Net Weight	106 kg
Electrical Requirement	AC 220±22V 50Hz 15A
Catalogue No.	1401150502

Benchtop Low Speed Refrigerated Centrifuge IBRLC-1000 Series

Benchtop Low-Speed Refrigerated Centrifuge IBRLC-1000 Series is a refrigerated centrifuge with a touch display for gentle acceleration and deceleration. Equipped with compressors, CFC-free refrigerants, refrigerating or heating double loop, which make the machine heat and cool fast and have low noise as well as small vibration high precision. The IBRLC-1000is sealed and can function at low RPM owing to the ability to reduce the heat produced by higher rotation speeds worked under temperature range -20℃ to 40℃. Accommodates angle, swing rotor and swing-out ELISA plate rotor as these motor capable of accommodating a great number of tubes at once. Suitable for used in radio-immunity, biochemistry, blood products, environmental protection and other research and manufacturing institutions.



- Energy-efficient AC brushless regulating motor
- Available with 19 profile for acceleration and 19 for deceleration, high efficiency
- New high torque frequency conversion driving motor
- Allow automatic identification system for the magnetic rotor, automatic matching of corresponding rotor program, preventing misoperation and ensuring centrifugal safety
- Electronic door lock, full steel door cover protection, superior to industrial standards and Password lock function
- Microcomputer controlled
- Protective electronic with lock door, electric door with imbalance protection to provide more protection and safety along with automatic balancing without the need for trimming
- Designed digital screen with multi-functional knob combination
- Eco friendly with high-efficiency refrigerating system
- Centrifugal chamber are constructed with stainless steel
- Designed with air exhaust temperature and low noise compressor
- CFC-free refrigerants, refrigerating/heating double loop
- Small footprint and easy handling
- Store up to 12 program groups
- Widely used in radio-immunity, biochemistry, blood products, environmental protection and other research and manufacturing institutions. Particles with different density in the solution can be separated

Rotors

Rotor	Capacity		Max Speed	Max RCF
NO. 1 Swing-out Rotor	**4x100ml, 4x50ml**		**5000 rpm**	**4650Xg**
NO. 2 Swing-out Rotor	**8x50ml, 8x100ml, 24x15ml, 32x15ml**		**4000 rpm**	**2980Xg**
NO. 3 Swing-out Rotor	**4x250ml (with a wind cover)**		**5000 rpm**	**5200Xg**
	Adaptor	**4x50 ml, 8x50 ml(Round bottom), 4x100 ml,36x10ml, 40x7 ml, Blood collection tube**		
		48x7mlBlood collectiontube, 64x7ml Blood collection tube	**4000 rpm**	**3100Xg**
NO. 4 Swing-out ELISA plate Rotor	**2x2x96 holes**		**4000rpm**	**1970Xg**
NO.5 Swing-out Rotor	**Round hang cup**	**4x500ml**	**4000 rpm**	**3400Xg**
	Adaptor	**4x250ml, 12x50ml, 36x15ml, 76x7ml Blood collection tube**		
	Square hang basket	**16x50ml, 40x15ml,80x7ml Blood collection tube, 112x7ml Blood collection tube, 100x1.5ml**		
	Hang cup	**148x5ml Radio-immunity tube, 96x7ml Blood collection tube**		
	ELISA plate rack	**4x2x96 holes**		
NO. 6 Angle Rotor	**4x750ml**		**4000 rpm**	**3500Xg**
	Adaptor	**8x100ml, 16x50ml, 40x15ml, 96x7ml Blood collection tube, 148x5ml Radio-immunity tube**		
NO. 7 Swing-out Rotor	**6x250ml**		**4000 rpm**	**3580Xg**
	Adaptor	**60x7ml Blood collection tube, 42x10ml, 24x15ml, 6x50ml, 12x50ml(Round bottom), 6x100ml**		
NO. 8 Angle Rotor(IBRLC-1850)	**12x15ml**		**6000 rpm**	**5120Xg**

Model	IBRLC-1250	IBRLC-1450	IBRLC-1650	IBRLC-1850
Capacity	4x250ml	4x750ml(4000rpm)	8x100ml (4000 rpm)	4x750ml(4000rpm)
Max RCF	5200 Xg	5200 Xg	5120 Xg	5200 Xg
Speed Range	5000 rpm	5000 rpm	6000 rpm	6000 rpm
Noise	?60 dB?A?			
Temperature Range	-20? to 40?			
Revolutions/min	±10 rpm			
Temperature Accuracy	±1?			
Timer	1 to 99H, 59 min/inching			
Dimension	550x700x420 mm	600x750x420 mm	640x560x390 mm	600x750x420 mm
Weight	90 kg	90 kg	80 kg	90 kg
Electrical Requirement	AC 220V 50HZ 15A			
Catalogue No.	1401100502	1401101002	1401101502	1401102002

Benchtop Low Speed Refrigerated Centrifuge IBRLC-3000 Series

Benchtop Low-Speed Refrigerated Centrifuge IBRLC-3000 Series high-performance refrigerated centrifuge. Offer SCT and SBT speed control parameters to avoid mix up and ensure to get maximum samples. Features with LCD/LED touch screen with multi-functional knob combination parameters. The IBRLC-3000is sealed and can function at low RPM owing to the ability to reduce the heat produced by higher rotation speeds worked under temperature range -20℃ to 40℃. Accommodates angle, as these motor capable of accommodating a great number of tubes at once. Available with 10 profiles for acceleration and for deceleration with high efficiency. Additionally, it comes with a Brushless converter motor, Freon-free compressor, and Aerospace rubber for damping. An advanced microprocessor controls allow for instant rotor identification, which robotically converts the rotational speed to the relevant RCF checking the user from setting a speed above the capabilities of the installed rotor.



- Energy-efficient brushless regulating motor
- Available with 10 profile for acceleration and 10 for deceleration, high efficiency
- New high torque frequency conversion driving motor
- Allow automatic identification system for the magnetic rotor, automatic matching of corresponding rotor program, preventing misoperation and ensuring centrifugal safety
- Proprietary SCT and SBT soft brake control technical, to avoid mix up and ensure get a maximum sample
- Double electronic door lock, full steel door cover protection, superior to industrial standards and Password lock function
- Microprocessor controlled
- Protective electronic with lock door, electric door with imbalance protection to provide more protection and safety along with automatic balancing without the need for trimming
- Designed digital LCD, LED screen with multi-functional knob combination
- Eco friendly with the high-efficiency refrigerating system, able to maintain temperature under 0℃ during maximum RPM
- Centrifugal chamber is constructed with stainless steel
- Designed with air exhaust temperature and low noise compressor
- CFC-free refrigerants, refrigerating/heating double loop
- Small footprint and easy handling

Rotors

Rotor types	Numbers	Capacity	Max Speed(rpm)	Max RCFxg	Dimension (mm)
Swing Rotor	1	4×50ml/100ml	5500	5310	38×124
	2	4×500ml / 12×50ml / 8×100ml	4000	3580	80×140
	3	4×250ml / 8×50ml / 32×10ml	4000	3500	64×113
	4	72×5ml	4000	2830	14×54
	5	32×10ml/15ml	4000	2810	16×85-118
	6	16×10ml/15ml	4000	2810	16×85-118
	7	8×50ml	4000	2810	28×105-115
	8	48×5ml	4000	2800	14×54
	9	148×7ml	4000	3080	13×78
	10	120×5/7ml	4000	3080	Blood collection Tube
	11	96×7ml	4000	2800	13×78
	12	80×5/7ml	4000	2800	Blood collection Tube

Model	IBRLC-3400
Capacity	3000 ml
Max RCF	5310×g
Speed Range	5500 rpm
Noise	?60dB
Temperature Range	-20°C to +40°C
Revolutions/min	±20 rpm
Temperature Accuracy	±1°C
Timer	1 to 999min/sec
Dimension	800×700×400 mm
Weight	110 kg
Electrical Requirement	AC 220V 50Hz 18A
Catalogue No.	1401200502

Benchtop Low Speed Refrigerated Centrifuge IBRLC-4000 Series

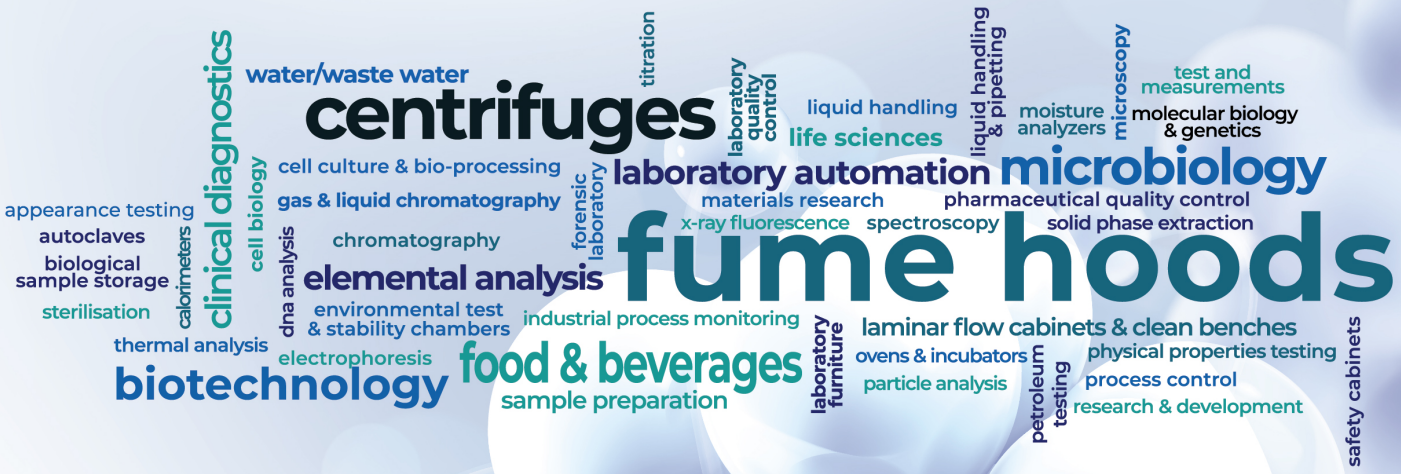
Benchtop Low-Speed Refrigerated Centrifuge IBRLC-4000 Series featured with LED touch screen with multi-functional knob combination parameters. The IBRLC-4000is sealed and can function at low RPM owing to the ability to reduce the heat produced by higher rotation speeds worked under temperature range -20℃ to 40℃. Accommodates angle, as these motor capable of accommodating a great number of tubes at once. Available with 10 profiles for acceleration and for deceleration with high efficiency. Additionally, it comes with AC brushless converter motor, equipped with multiple types of rotor and adaptors, applicable to radioactive immunology, clinical medicine, biochemistry, pharmaceutics, isolation, and purification of blood samples.



- Energy AC efficient brushless regulating motor
- Available with 10 profile for acceleration and 10 for deceleration, high efficiency
- New high torque frequency conversion driving motor
- Allow automatic identification system for the magnetic rotor, automatic matching of corresponding rotor program, preventing misoperation and ensuring centrifugal safety
- Electronic door lock, full steel door cover protection, superior to industrial standards and Password lock function
- Microprocessor controlled
- Protective electronic with lock door, electric door with imbalance protection to provide more protection and safety along with automatic balancing without the need for trimming
- Designed digital LED screen with multi-functional knob combination
- Eco friendly with the high-efficiency refrigerating system, able to maintain temperature under 0℃ during maximum RPM
- Centrifugal chamber is constructed with stainless steel
- Designed with air exhaust temperature and low noise compressor
- CFC-free refrigerants, refrigerating/heating double loop
- Small footprint and easy handling

Model	IBRLC-4204	IBRLC-4206	IBRLC-4205
Capacity	4×250ml	4×250ml	4×750ml
Max RCF	4390×g	5190×g	5310×g
Speed Range	5000rpm	6500rpm	5500rpm
Noise	? 65dB?A?		
Rotor Diameter	380 mm		420 mm
Temperature Range	-20? to 40?		
Revolutions/min	±20 rpm		
Temperature Accuracy	±2.0?		
Timer	1 to 99min		
Power Consumption	750 W	800 W	1500 W
Dimension	550×650×365 mm	580×660×365 mm	645×700×445 mm
Packing Dimension	680×760×465 mm	680×760×465 mm	745×800×545 mm
Net Weight	70 kg		95 kg
Gross Weight	85 kg		115 kg
Electrical Requirement	AC 220±22V 50Hz 10A		
Catalogue No.	1401250502	1401251002	1401251502

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