

 **LABTRON**



REFRIGERATED

Centrifuge

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REFRIGERATED CENTRIFUGE LRF-A1 SERIES

We deliver a wide range of refrigerated centrifuge for a large variety of samples. This equipment is ideal for blood separation, protein precipitation etc and can be used at blood station, biochemistry, pharmaceutical industry for broad number of practices. It is safe, reliable and precise machine for low temperature separation of samples.

FEATURES:

- Equipped with low noise flexible axle driven rotor system which ensure smooth functioning
- Auto-electric locking system provides protection against imbalances, over speed and over temperature
- Fluorine-free compressors with double cooling and heating cycle
- Microprocessor controlled system with brushless frequency motor which is maintenance and pollution free
- Designed with high quality steel and three layers of protective steel cover
- LCD display indicates speed, time and RCF
- Easy and quick loading
- User can store up to 10 different programs and 10 different speeds

APPLICATION:

Refrigerated centrifuge LRF-A1 Series is widely used in life sciences, healthcare and pharmaceutical industries for RNA extraction, protein precipitation and sample processing, serum analysis, hematocrit etc.

TECHNICAL PARAMETERS:

| Model | LRF-A10 | LRF-A11 | LRF-A12 | LRF-A13 |
|-------------------|----------------------------|------------------|---------------|---------------|
| Max. speed | 5000rpm | | | |
| Max. RCF | 4730×g | | | |
| Max. Capacity | 4x500ml | | | |
| Temp. Range | (-)20°C~40°C | | | |
| Temp. Accuracy | ±1°C | | | |
| Timer range | 0~99h 59min | | | |
| Speed accuracy | ±50rpm | | | |
| Dimension (HxWxD) | 685×540×820mm | 640×665×420mm | 690×715×430mm | 690×715×430mm |
| Noise | ≤58dBA | ≤65dBA | | |
| Weight | 170kg | 118kg | 125kg | 125kg |
| power supply | AC110/220V, 50-60HZ,15A | AC 220V 50HZ 15A | | |

REFRIGERATED CENTRIFUGE LRF-A2 SERIES

We provide high quality laboratory appliances, including refrigerated centrifuges of latest design specifically for laboratory, research and medical handling. We deliver safe, consistent and pollution-free and operator friendly.

FEATURES:

- Microprocessor controlled system with brushless frequency motor which is maintenance and pollution free
- User can store up to 10 different programs and 10 different speeds
- Equipped with low noise flexible axle driven rotor system which ensure smooth functioning
- Fluorine-free compressors with double cooling and heating cycle
- Designed with high quality steel and three layers of protective steel cover
- Electric lid lock system ensures safety

APPLICATION:

Refrigerated centrifuge LRF-A2 Series is widely used in the field of blood station, pharmaceutical factory, biochemistry, biological products and so on. It is the ideal instrument for blood separation, protein precipitation and cell collection

TECHNICAL PARAMETERS:

| Model | LRF-A20 | LRF-A21 | LRF-A22 |
|-------------------|--------------------------|-------------|------------------|
| Max. speed | 6000rpm | | |
| Max. RCF | 6600×g | | |
| Temp. Range | (-)20℃~40℃ | | |
| Temp. Accuracy | ±1℃ | | |
| Speed accuracy | ±50rpm | | |
| Noise | ≤65dBA | ≤55dBA | |
| Weight | 260kg | 220kg | |
| Max. Capacity | 6×1000ml | 4x1000ml | |
| Timer range | 1~99h 59min | 0~99h 59min | |
| Dimension (HxWxD) | 940×735×1260mm | | 800×675×830mm |
| power supply | AC110/220V, 50-60HZ, 20A | | AC 220V 50HZ 15A |

REFRIGERATED CENTRIFUGE LRF-A3 SERIES

This product is ideal for blood separation, protein precipitation and cell collection purpose and ideal for laboratory, research, industrial usage. This product separates the samples optimally for accurate analysis.

FEATURES:

- Microprocessor controlled system with brushless frequency motor which is maintenance and pollution free
- Equipped with low noise flexible axle driven rotor system which ensure smooth functioning
- 10 inches LCD display indicates speed, time and RCF
- Electric lid lock system ensures safety
- Designed with high quality steel and three layers of protective steel cover
- Fluorine-free compressors with double cooling and heating cycle

APPLICATION:

Refrigerated centrifuge LRF-A3 Series is widely used in medical laboratories, hospitals, blood banks, pharmaceuticals, educational and research institutes for precipitate separation, serum analysis, hematocrit etc.

TECHNICAL PARAMETERS:

| Model | LRF-A30 | LRF-A31 |
|-------------------|--------------------------|----------|
| Max. Capacity | 6×2000ml | 6×2400ml |
| Max. speed | 7000rpm | |
| Max. RCF | 11900×g | |
| Temp. Range | (-)20°C~40°C | |
| Temp. Accuracy | ±1°C | |
| Timer range | 1~99h 59min | |
| Speed accuracy | ±50rpm | |
| Dimension (HxWxD) | 950×870×1300mm | |
| Noise | ≤65dBA | |
| Weight | 380kg | |
| power supply | AC110/220V, 50-60HZ, 35A | |

REFRIGERATED CENTRIFUGE LRF-B10

We manufacture a wide range of refrigerated centrifuge keeping in mind all the laboratory, research & industrial requirement for best result, this product separates a large amount of samples optimally for accurate analysis.

FEATURES:

- Designed with three layer of protective steel cover
- Displays speed, time and RCF on digital screen
- Microprocessor controlled system allows to store 10 different programs and speed
- Equipped with brushless DC frequency motor which ensure durability with fluorine free compressor
- Auto locking system for safe usage
- Offers 10 types of rotors especially continuous rotors which can separate large number of solutions
- Instant change in speed

APPLICATION:

Refrigerated centrifuge LRF-B10 is widely used in medical laboratories, hospitals, blood banks, pharmaceuticals, educational and research institutes.

TECHNICAL PARAMETERS:

| Model | LRF-B10 |
|-------------------|---------------|
| Max. speed | 12000rpm |
| Max. RCF | 22650×g |
| Max. Capacity | 4x1000ml |
| Temp. Range | (-)20°C~40°C |
| Temp. Accuracy | ±1°C |
| Timer range | 1~99h 59min |
| Speed accuracy | ±20rpm |
| Dimension (HxWxD) | 865×650×830mm |
| Noise | ≤55dBA |
| Weight | 215kg |
| power supply | AC 220V 50HZ |

REFRIGERATED CENTRIFUGE LRF-B2 SERIES

This equipment is a bench-top high speed refrigerated centrifuge for quick, safe, consistent and accurate results. This product is ideal for small sized samples that require low temperature for their optimum separation.

FEATURES:

- Environment friendly fluorine-free compressor ensures fast cooling
- Microprocessor controlled system with digital display
- User can change the running parameters
- Auto-electric lid locking system ensures safety
- Designed with three layers of protective steel covering
- Consists of less noisy brushless DC motor which ensures easy operation
- Made up of supreme quality corrosion resistant steel

APPLICATION:

Refrigerated centrifuge LRF-B2 Series can be used in biochemical and clinical labs for precipitate separation, serum analysis, hematocrit, protein precipitation, RNA extraction in the field of medicine, life science, agriculture science etc.

TECHNICAL PARAMETERS:

| Model | LRF-B20 | LRF-B22 |
|-------------------|------------------------|------------------|
| Max. speed | 16000rpm | |
| Temp. Range | (-)20°C~40°C | |
| Temp. Accuracy | ±1°C | |
| Timer range | 1~99h 59min | |
| Speed accuracy | ±50rpm | |
| Max. RCF | 19040×g | 20600×g |
| Max. Capacity | 10×5ml | 6×100ml |
| Dimension (HxWxD) | 480×480×275mm | 608×570×380mm |
| Noise | ≤55dBA | ≤58dBA |
| Weight | 43kg | 82kg |
| power supply | AC 220-230V 50-60HZ 2A | AC 220V 50HZ 10A |

REFRIGERATED CENTRIFUGE LRF-C10

This device is noiseless, pollution-free, with highly sophisticated design for all kinds of laboratories and industrial usage and delivers a high precision in results.

FEATURES:

- Equipped with dual core processor to ensure different speed and capacities
- Environment friendly fluorine free compressors with double cooling cycle
- Digital display with touch panel
- Provision to change the running parameters
- User can store up to 10 different programs and 10 different speeds
- Auto electric lid lock system to ensure safety
- Three layers of protective steel cover
- Safe, efficient and reliable
- Equipped with brushless frequency motor which requires low maintenance

APPLICATION:

Refrigerated centrifuge LRF-C10 is extensively used for protein precipitation, RNA extraction in the field of medicine, life science, agriculture science etc.

TECHNICAL PARAMETERS:

| Model | LRF-C10 |
|-------------------|------------------|
| Max. speed | 20000rpm |
| Max. RCF | 26660×g |
| Max. Capacity | 6×100ml |
| Temp. Range | (-)20°C~40°C |
| Temp. Accuracy | ±1°C |
| Timer range | 1~99h 59min |
| Speed accuracy | ±50rpm |
| Dimension (HxWxD) | 610×570×380mm |
| Noise | ≤58dBA |
| Weight | 82kg |
| power supply | AC 220V 50HZ 10A |

REFRIGERATED CENTRIFUGE LRF-C11

In the field of medicine, life science, agriculture science precise separation of sample is most required condition especially in case of crude samples. This device helps separate crude samples that are heat-labile or demands low temperature during their experimental protocol.

FEATURES:

- It uses three types of centrifugal methods namely, speed, RCF and W2t for safe and reliable separation
- LCD display with microprocessor control
- Environment friendly fluorine free compressors with double cooling cycle
- User can store up to 30 different programs and 10 different speeds
- Auto electric lid lock system to ensure safety
- Wide range of rotors are available and adapters can be designed based on the requirement
- Three layers of protective steel cover

APPLICATION:

Refrigerated centrifuge LRF-C11 is widely used in life sciences, healthcare and pharmaceutical industries for RNA extraction, protein precipitation and sample processing.

TECHNICAL PARAMETERS:

| Model | LRF-C11 |
|-------------------|------------------|
| Max. speed | 20000rpm |
| Max. RCF | 26660×g |
| Max. Capacity | 6×100ml |
| Temp. Range | (-)20°C~40°C |
| Temp. Accuracy | ±1°C |
| Timer range | 1~99h 59min |
| Speed accuracy | ±50rpm |
| Dimension (HxWxD) | 610×570×380mm |
| Noise | ≤58dBA |
| Weight | 82kg |
| power supply | AC 220V 50HZ 10A |

REFRIGERATED CENTRIFUGE LRF-C2 SERIES

We are a provider of high quality laboratory appliances, including refrigerated centrifuges of latest design specifically for laboratory, research and medical handling. We deliver safe, consistent and pollution-free and operator friendly to meet the laboratory, medical, research, pharmaceutical working areas requirement for smooth, fast, noiseless, reliable and accurate separating operations.

FEATURES:

- Digital display with touch panel
- Provision to change the running parameters
- User can store up to 10 different programs and 10 different speeds
- Equipped with brushless frequency motor which requires low maintenance
- Equipped with dual core processor to ensure different speed and capacities
- Environment friendly fluorine free compressors with double cooling cycle
- Auto electric lid lock system to ensure safety
- Three layers of protective steel cover
- Safe, efficient and reliable

APPLICATION:

Refrigerated centrifuge LRF-C2 Series is widely used in life sciences, healthcare and pharmaceutical industries for RNA extraction, protein precipitation and sample processing.

TECHNICAL PARAMETERS:

| Model | LRF-C20 | LRF-C21 | LRF-C22 | LRF-C23 |
|-------------------|--------------------------|----------------|------------------|------------------|
| Max. speed | 21000rpm | | | |
| Temp. Range | (-)20°C~40°C | | | |
| Temp. Accuracy | ±1°C | | | |
| Timer range | 1~99h 59min | | | |
| Max. RCF | 46140×g | | 29670×g | |
| Noise | ≤65dBA | | ≤58dBA | |
| Max. Capacity | 6×500ml | 6×500ml | 4×800ml | 4×500ml |
| Speed accuracy | ±50rpm | ±50rpm | ±20rpm | ±50rpm |
| Dimension (HxWxD) | 865×728×1240mm | 865×728×1240mm | 820×682×540mm | 690×715×430mm |
| Weight | 235kg | | 170kg | 125kg |
| power supply | AC110/220V, 50-60HZ, 35A | | AC 220V 50HZ 20A | AC 220V 50HZ 15A |



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