



REFRIGERATED CENTRIFUGE

LRF-A10, LRF-A11 & LRF-A12

Refrigerated Centrifuge

Refrigerated Centrifuge LRF-A10

LRF-A10 is a microprocessor controlled floor standing refrigerated centrifuge having 5000 rpm speed. It is safe, reliable, low maintenance and easy-to-use instrument equipped with LCD display and low noise flexible axle driven rotor system. With auto electric locking system fluorine free compressors and 3 tier protective steel covering, it is ideal for blood separation, protein precipitation etc. and can be used at blood station and pharmaceutical industry for variety of applications.

Features

- Microprocessor controlled system
 - LCD display that indicates speed, time and RCF in operation
 - 3 tiers protective steel covering
 - Low noise flexible axle driven rotor system which ensures smooth functioning
 - Brushless frequency conversion motor
 - Fluorine free compressors with double cycle cooling and heating system
 - Automatic electric lid lock that provides protection against over speed and temperature and imbalance
 - Rotor is connected to spindle by specialized taper sleeve
 - Enables easy and quick loading of samples
 - Optional rotors available
 - Safe, reliable and easy-to-use
 - Low maintenance
 - Environment friendly
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Applications

It is widely used in biochemical and clinical labs for precipitate separation and serum analysis, in pharmaceutical industry etc. and is perfect for DNA, RNA, PCR or antibody analysis.

Refrigerated Centrifuge

Specifications

| Model no. | LRF-A10 |
|--------------------------------|------------------------------|
| Max. Speed | 5000 rpm |
| Max. RCF | 4730 x g |
| Max. Capacity | 4 x 800 ml |
| Temp. Range | -20°C-40°C |
| Temp. Accuracy | ± 1°C |
| Speed Accuracy | ± 50 r/min |
| Timer Range | 0-99 hr. 59 min |
| Noise | ≤ 58 dB |
| Rotor Identification | Automatic |
| Power Supply | AC 110-220 V/ 50-60 Hz/ 15 A |
| Dimension (H x W x D) | 685 x 540 x 820 mm |
| Packaged Dimension (H x W x D) | 845 x 585 x 515 mm |
| Net Weight | 170 kg |
| Gross Weight | 190 kg |

Refrigerated Centrifuge

Select suitable rotor as per your requirement from the list given below:

| Rotor Name | Max. Speed (rpm) | Max. Capacity (ml) | Max. RCF (x g) |
|---------------------|------------------|----------------------|----------------|
| Swing rotor 01 | 4000 | 4 x 800 (Round Cup) | 3450 |
| Swing rotor 02 | 4000 | 4 x 500 (Round Cup) | 3380 |
| Swing rotor 03 | 4000 | 4 x 500 (Square Cup) | 3310 |
| Microplate rotor 01 | 4000 | 4 x 4 x 96 well | 2840 |
| | | 2 x 4 x 96 well | 2490 |
| | | 2 x 3 x 48 well | 2300 |
| Swing rotor 04 | 4000 | 4 x 40 x 7 | 3270 |
| | | 4 x 40 x 5 | 2890 |
| | | 4 x 18 x 10 | 3140 |
| Angle rotor 01 | 5000 | 12 x 15 | 3080 |
| Angle rotor 02 | 5000 | 6 x 50 | 2850 |
| Angle rotor 03 | 5000 | 4 x 50 | 2520 |
| Angle rotor 04 | 5000 | 4 x 100 | 2630 |
| Angle rotor 05 | 5000 | 24 x 15 | 3500 |
| Angle rotor 06 | 5000 | 12 x 50 | 3860 |
| Angle rotor 07 | 5000 | 6 x 100 | 3130 |
| Angle rotor 08 | 4000 | 12 x 100 | 2970 |

Refrigerated Centrifuge

Adapter for 800 ml and 500 ml bucket:

| Volume | 5 ml | 7 ml | 10 ml | 15 ml | 50 ml |
|-----------------------|-----------|------|-------|-------|-------|
| 800 ml (Round Cup) | 23pcs/cup | 23 | 19 | 14 | 5 |
| 500ml (Round Cup) | 18pcs/cup | 18 | 14 | 9 | 3 |
| 500ml (Square Cup) | 20pcs/cup | 20 | 16 | 12 | 5 |

Refrigerated Centrifuge LRF-A11

LRF-A11 is a microprocessor controlled large capacity refrigerated centrifuge having 5000 rpm speed. It is safe, reliable and pollution free instrument equipped with digital display, brushless DC motor, automatic electric lid lock system and 3 tier protective steel covering to ensure safety of the operation. With fluorine free compressors having double cycle cooling and heating effect, it is ideal for low temperature demanding samples.

Features

- Microprocessor controlled system
- Brushless DC motor
- Digital display which indicates speed, time and RCF in operation
- 3 tier protective steel covering
- Fluorine free compressors having double cycle cooling and heating effect
- Automatic electric lid lock system to provide protection against over speed, over temperature and imbalance
- Provision to edit running parameters
- Rotor is connected to spindle by specialized taper sleeve
- 10 kinds of program can be stored in the memory
- Users can choose among 10 kinds of accelerating and decelerating speed
- Wide range of optional rotors is available
- Adapters can be designed as per the experimental requirement
- Low maintenance
- Safe and reliable
- Environment friendly

Refrigerated Centrifuge

Applications

It is widely used in biochemical and clinical labs for precipitate separation and serum analysis, in pharmaceutical industry etc. and is perfect for DNA, RNA, PCR or antibody analysis.

Specifications

| Model no. | LRF-A11 |
|--------------------------------|---------------------|
| Max. Speed | 5000 rpm |
| Max. RCF | 4730 x g |
| Max. Capacity | 4 x 300 ml |
| Temp. Range | -20°C-40°C |
| Temp. Accuracy | ± 1°C |
| Speed Accuracy | ± 50 rpm |
| Timer Range | 0-99 hr. 59 min |
| Noise | ≤ 65 dB |
| Rotor Identification | Automatic |
| Power Supply | AC 220 V/ 50 Hz/15A |
| Dimension (H x W x D) | 640 x 665 x 420 mm |
| Packaged Dimension (H x W x D) | 820 x 735 x 535 mm |
| Net Weight | 118 kg |
| Gross Weight | 130 kg |

Refrigerated Centrifuge

Select suitable rotor as per your requirement from the list given below:

| Rotor Name | Max. Speed (rpm) | Max. Capacity (ml) | Max. RCF (x g) |
|---------------------|------------------|----------------------|----------------|
| Swing rotor 01 | 4000 | 4 x 300 (Round Cup) | 2920 |
| Swing rotor 02 | 4000 | 4 x 300 (Square Cup) | 2920 |
| Swing rotor 03 | 4000 | 4 x 24 x 5 | 2840 |
| | | 4 x 24 x 7 | 3140 |
| | | 4 x 18 x 10 | |
| Swing rotor 04 | 4000 | 4 x 31 (Khan tube) | 2840 |
| Angle rotor 01 | 5000 | 12 x 15 | 3080 |
| Angle rotor 02 | 5000 | 6 x 50 | 2850 |
| Angle rotor 03 | 5000 | 4 x 50 | 2520 |
| Angle rotor 04 | 5000 | 4 x 100 | 2630 |
| Angle rotor 05 | 5000 | 24 x 15 | 3500 |
| Angle rotor 06 | 5000 | 12 x 50 | 3860 |
| Angle rotor 07 | 5000 | 6 x 100 | 3130 |
| Angle rotor 08 | 4000 | 12 x 100 | 2970 |
| Microplate rotor 01 | 4000 | 2 x 4 x 96 well | 2490 |
| | | 2 x 3 x 48 well | 2300 |

Adapter for 300 ml round cup and square cup:

| Volume | 5 ml | 7 ml | 10 ml | 15 ml | 50 ml |
|--------------------|-----------|------|-------|-------|-------|
| 300ml (Square Cup) | 16pcs/cup | 16 | 12 | 9 | 4 |
| 300ml (Round Cup) | 10pcs/cup | 10 | 9 | 7 | 2 |

Refrigerated Centrifuge

Refrigerated Centrifuge LRF-A12

LRF-A12 is a microprocessor controlled bench top type large capacity refrigerated centrifuge having 5000 rpm speed. It is safe, reliable, precise and easy-to-use centrifuge with 10 kinds of accelerating and decelerating speed. Equipped with LED display, brushless DC motor, fluorine free compressors, 3 tier protective steel covering and automatic electric lid lock system, it is ideal for low temperature separation of samples.

Features

- ▣ Microprocessor controlled system
 - ▣ Brushless DC motor
 - ▣ LED display which indicates speed, time and RCF in operation
 - ▣ 3 tier protective steel covering
 - ▣ Fluorine free compressors having double cycle cooling and heating effect
 - ▣ Automatic electric lid lock system to provide protection against over speed, over temperature and imbalance
 - ▣ Provision to edit running parameters
 - ▣ Rotor is connected to spindle by specialized taper sleeve
 - ▣ 10 kinds of program can be stored in the memory
 - ▣ Users can choose among 10 kinds of accelerating and decelerating speed
 - ▣ Wide range of optional rotors is available
 - ▣ Adapters can be designed as per the experimental requirement
 - ▣ Low maintenance
 - ▣ Safe and reliable
 - ▣ Environment friendly
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Applications

It is widely used in biochemical and clinical labs for precipitate separation and serum analysis, in pharmaceutical industry etc. and is perfect for DNA, RNA, PCR or antibody analysis.

Refrigerated Centrifuge

Specifications

| Model no. | LRF-A12 |
|--------------------------------|---------------------------|
| Max. Speed | 5000 rpm |
| Max. RCF | 4730 x g |
| Max. Capacity | 4 x 800 ml |
| Temp. Range | -20 °C-40 °C |
| Temp. Accuracy | ± 1 °C |
| Speed Accuracy | ± 20 rpm |
| Timer Range | 0 ~ 99 mins |
| Noise | ≤ 55 dB |
| Power Supply | AC 110-220V/ 50-60Hz/ 15A |
| Dimension (H x W x D) | 690 x 715 x 430 mm |
| Packaged Dimension (H x W x D) | 875 x 785 x 560 mm |
| Net Weight | 125 kg |
| Gross Weight | 138 kg |

Refrigerated Centrifuge

Select suitable rotor as per your requirement from the list given below:

| Rotor Name | Max. Speed (rpm) | Max. Capacity (ml) | Max. RCF (x g) |
|---------------------|------------------|----------------------|----------------|
| Swing rotor 01 | 4000 | 4 x 800 (Round Cup) | 3450 |
| Swing rotor 02 | 4000 | 4 x 500 (Round Cup) | 3380 |
| Swing rotor 03 | 4000 | 4 x 500 (Square Cup) | 3310 |
| Microplate rotor 01 | 4000 | 4 x 4 x 96 well | 2840 |
| | | 2 x 4 x 96 well | 2490 |
| | | 2 x 3 x 48 well | 2300 |
| Swing rotor 04 | 4000 | 4 x 40 x 7 | 3270 |
| | | 4 x 40 x 5 | 2890 |
| | | 4 x 18 x 10 | 3140 |
| Angle rotor 01 | 5000 | 12 x 15 | 3080 |
| Angle rotor 02 | 5000 | 6 x 50 | 2850 |
| Angle rotor 03 | 5000 | 4 x 50 | 2520 |
| Angle rotor 04 | 5000 | 4 x 100 | 2630 |
| Angle rotor 05 | 5000 | 24 x 15 | 3500 |
| Angle rotor 06 | 5000 | 12 x 50 | 3860 |
| Angle rotor 07 | 5000 | 6 x 100 | 3130 |
| Angle rotor 08 | 4000 | 12 x 100 | 2970 |

Adapter for 800 ml and 500 ml bucket:

| Volume | 5 ml | 7 ml | 10 ml | 15 ml | 50 ml |
|-----------------------|-----------|------|-------|-------|-------|
| 800ml (Square Cup) | 23pcs/cup | 23 | 19 | 14 | 5 |
| 500ml (Round Cup) | 18pcs/cup | 18 | 14 | 9 | 3 |
| 500ml (Round Cup) | 20pcs/cup | 20 | 16 | 12 | 5 |