



labodam

LOW SPEED CENTRIFUGE

LLS-A SERIES

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Crude Oil Test Low Speed Centrifuge LLS-A20

Crude oil test centrifuge has LCD display which shows rotor no., speed, time, temperature, RCF, rate of speed necessary for operations. Its torque brushless motor is maintenance-free and has fast acceleration and deceleration speed which improve the stability. Crude oil test centrifuge can be used in research, laboratories and educational institutes as it is noiseless, eco-friendly and very precise in separation of oil from water and other impurities.

Features

- Microprocessor controlled system with LCD display
- Temperature control function helps in maintaining uniform temperature
- Band heater ensures quick heating
- Electric lid lock system ensures safety
- Low noise torque brushless motor for more stability

Applications

Crude oil test low speed centrifuge is used to determine sediments and water content in crude oil, fuel oils and biodiesel.

Specifications

Model	LLS-A20
Max. speed	4000 rpm
Max. RCF	2498 × g
Max. Capacity	4x100ml
Timer Range	0 min-99 min
Temp. Range	(+)10-80 °C
Speed accuracy	±20 rpm
Noise	≤50 dBA
Weight	67 kg
Dimension (HxWxD)	685 x 500 x385 mm

Rotors

Name of centrifuge	Max. Speed (rpm)	Max. Capacity (ml)	Max. RCF (x g)
Crude Oil Heating Centrifuge	4000	4 x 100	2498

Low Speed Centrifuge LLS-A30

Low speed centrifuge is a robust table top centrifuge configured with superior temperature control for low temperature demanding samples and advance CPU control system for sup operation and precise, reliable results. This centrifuge controls situations like over speed and imbalance by automatic spinning down the rotations speed. Low speed centrifuge is equipped with emergency lock under the bottom of centrifuge for opening of lid during power failure.

Features

- LED display enables user to keep track of current speed, time, RCF
- Microprocessor controlled system with advanced CPU
- Wide range of rotors are available which ensure easy and safe loading
- Designed with high quality steel body and brushless DC motor
- Emergency lock for opening of lid during power failure
- Certified with CE, ISO9001:2008 and ISO13485:2003 quality certification

Applications

Low speed centrifuge is widely used in biochemistry, blood banks, pharmaceutical industries, bioprocess industries.

Specifications

Model	LLS-A30
Max. speed	4000 rpm
Max. RCF	2470×g
Max. Capacity	24 x 10 mL
Timer range	0-99 min
Speed accuracy	±20 rpm
Noise	≤55 dBA
Weight	23 kg
Power supply	AC 220V/50Hz, 2A
Dimension (HxWxD)	265×320×483 mm

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

Rotor Name	Max. Speed (rpm)	Max. Capacity (ml)	Max. RCF (x g)
Angle rotor O1	4000	30 x 7/5	2250
Angle rotor O2	4000	18 x 10	2250
Angle rotor O3	4000	24 x 10/ 7/ 5	2200
Angle rotor O4	4000	12 x 15/ 10/ 7/ 5	2150
Angle rotor O5	4000	8 x 7/ 5	1800
Angle rotor O6	4000	6 x 50	2100
Swing rotor O1	4000	6 x 10	2390
Swing rotor O2 (Fake - not totally 180 degrees)	4000	6 x 10	2470

Low speed centrifuge LLS-A31

Low speed table-top centrifuge is used for separation of impurities from a variety of samples. It features auto power cut for safe operations and brushless DC motor for silent running. Low speed centrifuge is equipped with emergency lock under the bottom of centrifuge for opening of lid during power failure. It can store up to 10 kinds program in its memory with 10 different kinds of accelerating and deaccelerating speed for choice.

Features

- Auto power cut to ensure safety
- Designed with protective steel jacket and stainless steel chamber
- Microprocessor controlled system with digital display to track Speed, time, RCF
- Emergency lock for opening of lid during power failure
- User can store 10 programs in memory and can set 10 different accelerating and decelerating speeds
- Designed with high quality steel body and brushless DC motor

Applications

Low speed centrifuge is used in biomedical analysis, bio-organic analysis, immunoenzyme analysis.

Specifications

Model	LLS-A31
Max. speed	5000 rpm
Max. RCF	4420× g
Max. Capacity	4×100ml
Timer range	0-99min
Speed accuracy	±20 rpm
Noise	≤55 dBA
Weight	28 kg
Power supply	AC220V/110, 50 Hz/ 60 Hz
Dimension (HxWxD)	540 x 370 x 280 mm

Select the 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	4000	16 x 10/ 15	2150
Swing Rotor 01	5000	4 x 50	4420
Swing Rotor 02	5000	4 x 100	4420
Swing Rotor 03	4000	4 x 6 x 10	2790
Swing Rotor 04	4000	4 x 180	2580
Angle Rotor 01	5000	24 x 15	3500
Angle Rotor 02	5000	12 x 50	3860
Angle Rotor 03	5000	6 x 100	3130
Angle Rotor 04	5000	12 x 15	3080
Angle Rotor 05	5000	6 x 50	2850
Angle Rotor 06	5000	4 x 50	2520
Angle Rotor 07	5000	4 x 100	2630

Low Speed Centrifuge LLS-A32

Low speed centrifuge is equipped with micro computer based digital display to set and track the speed, time, RCF and other parameters required in the operations. This centrifuge is particularly configured to separate the blood components and with different program setting option to conveniently study serology, immuno-detection blood-typing and other analysis.

Features

- Consists of low noise brushless DC motor which ensures easy operation
- Compact design with self-lock system provides protection against over speed, over temperature and imbalance
- Electric lid lock system ensures safety
- User can set different programs based on their requirements

Applications

Low speed centrifuge is used to analyze and separate blood components. It is widely used in performing serological test in hospitals and research institutes.

Specifications

Model	LLS-A32
Max. speed	3000 rpm
Max. RCF	1080×g(24 cards), 830×g(12 cards)
Max. Capacity	24 cards/12 cards
Timer range	0~99 min
Speed accuracy	±20 rpm/min
Noise	≤55 dBA
Power supply	AC220V/110V, 50Hz/60Hz
Dimension(HxWxD) 12 cards	230×460×320 mm
Net weight	17 kg
Dimension(HxWxD) 24 cards	460 x 320 x 250 mm
Net weight	19 kg

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

Rotor Name	Max. Speed (rpm)	Max. Capacity (ml)	Max. RCF (x g)
12 gel card centrifuge	3000	12 gel card	830
24 gel card centrifuge	3000	24 gel card	1080
Gel card incubator	37 degrees	24 gel card	

Low speed centrifuge LLS-A40

Low speed table-top centrifuge comes with large capacity for bulky samples. It runs on low noise, brushless DC motor, consisting of automatic rotor identification and is a must-have in the biological product, pharmaceutical industries. It has wide range of rotors which ensure easy and safe loading of the sample.

Features

- Microprocessor controlled system which ensures smooth operation
- Operation status is visible on digital display
- Self-locking system provides protection against over speed, over temperature and imbalance
- Designed with high quality steel body and brushless DC motor
- Safe, user-friendly and requires low maintenance

Applications

Low speed centrifuge is widely used in blood banks, pharmaceutical industries, and bioprocess industries.

Specifications

Model	LLS-A40
Max. speed	5000 rpm
Max. RCF	4730× g
Max. Capacity	4×800 ml
Timer range	0-99 min
Speed accuracy	±20 r/min
Noise	≤58 dBA
Weight	67 kg
power supply	AC110/220V, 50-60HZ, 10A
Dimension (HxWxD)	685 x 500 x 385 mm

Select the 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	2790

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
500 ml (Round Cup)	18pcs/cup	18	14	9	3
500 ml (Square Cup)	20pcs/cup	20	16	12	5

Low Speed Centrifuge LLS-A41

This low speed centrifuge comes with several kinds of rotors for operations and has large capacity of samples. It maintains constant temperature throughout the process making this device ideal for industries and laboratories. The rotors is connected to spindle by specialized taper sleeve for simple and quick loading. The several kinds of rotors are available for the different analysis.

Features

- Microprocessor controlled system with digital display
- User can store 10 programs in memory and can set 10 different speeds
- Self-locking system provides protection against over speed, over temperature and imbalances
- Wide range of rotors are available which ensure easy and safe loading
- Designed with three tiers protective steel covers

Applications

Low speed centrifuge widely used in the field of biochemistry, biological products, pharmaceutical factory and laboratory.

Specifications

Model	LLS-A41
Max. speed	5000rpm
Max. RCF	4730×g
Max. Capacity	4×800ml
Timer range	0-99min
Speed accuracy	±50r/min
Noise	≤58dBA
Weight	108kg
power supply	AC110/220V, 50-60HZ, 10A
Dimension (HxWxD)	655×500×790mm

Select the 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	2790