



DASTAN

DASTAN Transnational Corporation was formed in 1993 in the city of Bishkek on the basis of the Instrument Engineering Factory named after the 50th anniversary of the Kirghiz SSR, founded in 1956 originally as a Fizpribory Factory. DASTAN TNC JSC is a specialized, one of the leading factories in the field of creation and production of the radio-electronic industrial and non-standard control and measuring equipment.

One of the Corporation's main activities is the production of medical centrifuges. Throughout its history, the Corporation has developed and put on the market a number of samples of different types of medical laboratory centrifuges.

DASTAN TNC JSC is a multi-faceted enterprise with a unique technological base, qualified specialists capable of producing goods that meet the requirements of international standards. The available equipment gives ample opportunities to the Enterprise: all types of mechanical processing, welding, tool, forge, paint and varnish production, and also production of printed circuit boards of the increased complexity, plastic and rubber products.

All this ensures creation of competitive products in a wide range.

Currently the Corporation occupies a strong position both in the domestic and foreign markets, conducts an active policy of expanding the range of products and modernization of products. Medical equipment is easy to operate, economical, tested for many years of use in different climatic conditions.

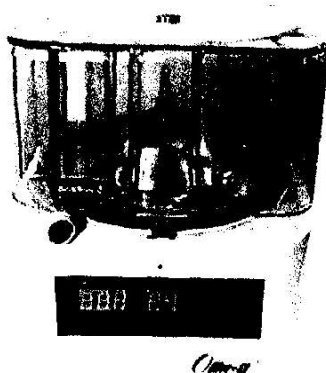
Many medical institutions of the CIS countries are equipped with medical centrifuges manufactured by DASTAN TNC JSC. The Goods produced by DASTAN TNC JSC are marked by numerous diplomas of the Russian and International Exhibitions.

The representative offices of the Corporation are created with service centers in the Republics of Russia, Kazakhstan, and Ukraine.

DASTAN TNC JSC is open to proposals for cooperation in such items:

- Creation and supply of medical centrifuges;
- Consumer goods;
- Performing representative functions of partners in the Kyrgyz Republic and CIS countries;
- Organization of joint production for the production of various goods with access to the markets of the CIS and other countries.





LABORATORY MEDICAL CENTRIFUGE TYPE OPn-12

Portable, table-top, batch centrifuge with digital control system. Designed for separation of inhomogeneous liquid systems with density up to 2 g/cm³ in the field of centrifugal forces in specific rotors. The centrifuge is used in the practice of laboratory diagnostics and for research in the field of medicine.

It has a digital display of rotation speed and centrifugation time.

Maximum value of the separation factor: 16450.

The maximum volume of the centrifugate: 180 ml.

Max rotation speed: 12000 rpm.

The centrifuge provides:

- setting, indication and automatically maintaining the rotor speed from 500 rpm to 12000 rpm at pump speed - 100 rpm;
- setting and indication of the centrifugation time from 0 to 99 minutes with a step 1 min.
- Acceleration time to the maximum speed and braking time-not more than 5 minutes.

The centrifuge has a safety system that provides:

- Locking of the rotor rotation with the lid open.
- Locking of the lid opening until the rotor stops completely.

TECHNICAL PARAMETERS:

AC power supply:

- | | |
|--------------------------|-----|
| - Voltage, V | 220 |
| - Frequency, Hz | 50 |
| - Power consumption, V·A | 450 |

Overall dimensions, mm:

- | | |
|-----------------------------------|-----|
| - Length | 270 |
| - Width | 250 |
| - Height | 260 |
| - The weight of the Centrifuge kg | 15 |





The centrifuge can be equipped with replaceable rotors:

RU180, RU6x10M, RU36x1.5M, and RU12x10M.

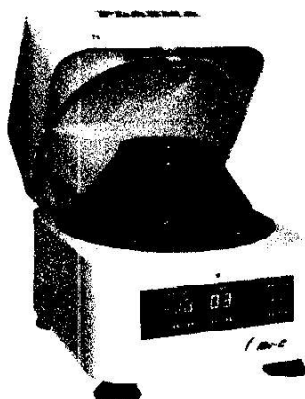
The type of rotor supplied with the Centrifuge is selected by the order.



ROTORS FOR MEDICAL LABORATORY CENTRIFUGE TYPE OPn-12

Name and Type of the Rotor	Maximum Volume of Centrifugate	Max. Work Rotation Frequency	Maximum Value of Separation Factor	Maximum Weight of the Rotor	Number of Tubes and Maximum Volume	Photo of the Rotor
RU180 Rotor	180 cm ³	12000 rpm	14700	3.0 kg	4x 25cm ³ 4x 10cm ³ 8x 5cm ³	
RU6x10M Rotor	60 cm ³	12000 rpm	13950	2.5 kg	6x 10cm ³ Vacutainer	
RU36x1.5M Rotor	54 cm ³	12000 rpm	14350	2.5 kg	36x 1.5cm ³	
RU12x10M Rotor	120 cm ³	12000 rpm	16450	3.6 kg	12x 10cm ³	





MEDICAL LABORATORY CENTRIFUGE TYPE OPn-12 "Plasma"

A portable, desktop, batch Centrifuge with speed up to 6000 rpm is designed to separate heterogeneous liquid systems with density up to 2 g/cm³ in the field of centrifugal forces. Structurally, the Centrifuge type OPn-12 "Plasma" is made on the basis of serial medical centrifuge type OPn-12.

The Centrifuge with PY6x10M rotor is software adapted for use in cosmetology for plasm lifting, in dentistry for plasmodent.

Maximum rotation speed: 6000 rpm.

Rotor speed control ranges from 500 rpm to 6000 rpm every 100 rpm. Angle of inclination of the tubes to the axis of rotation: 35 °.

Maximum value of separation factor: 3500.

Maximum volume of the centrifuged liquid system: 60 ml.

The range of setting the operating time in the automatic shutdown drive (0 - 99) min with a resolution of 1 min.

The centrifuge is set to the preferred operating mode by default:

- Acceleration up to 3300 rpm and 20 seconds,
- Time of centrifugation in these rpm - 5 min,
- Deceleration time is 40 seconds.

Centrifuge equipped with a RU6x10M rotor. Used vials: 10 ml and tubes of 8.5 ml. for plasmolifting. The number of tubes that may be installed simultaneously in the rotor is 6 nos.

Incomplete loading of the rotor is allowed under the obligatory condition of installation of tubes of the same capacity in diametrically opposite nests of the rotor, respectively 2, 4 tubes or 3 tubes of the same capacity, balanced and installed through 120 °.

TECHNICAL PARAMETERS:

AC mains power supply:

- | | |
|----------------|-------|
| - Voltage | 220 V |
| - Frequency | 50Hz |
| - Engine power | 90 W |

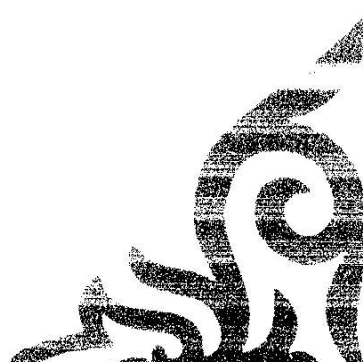
Overall dimensions:

- | | |
|--------------------------------|--------|
| - Length | 270 mm |
| - Width | 250 mm |
| - Height | 260 mm |
| - The weight of the Centrifuge | 15 kg |



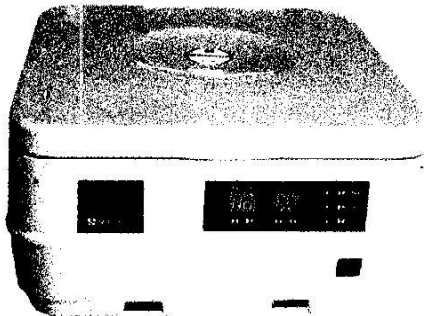
**ROTORS FOR
MEDICAL LABORATORY CENTRIFUGE
TYPE OPn-12 "Plasma"**

NAME AND TYPE OF THE ROTOR	NUMBER OF TUBES AND MAXIMUM VOLUME	MAX. WORK ROTATION FREQUENCY	MAX. VALUE OF SEPARATION FACTOR	MAXIMUM VOLUME OF THE CENTRIFU- GATE	WEIGHT OF THE ROTOR	PHOTO OF THE ROTOR
RU6x10M	6x10cm ³	6000rpm	3500	60cm ³	2,5kg	





MEDICAL LABORATORY CENTRIFUGE



MEDICAL LABORATORY CENTRIFUGE TYPE OPn-3M.06

Desktop portable centrifuge of periodic action is intended for separation of heterogeneous liquid systems of density 2g/cub.cm in the centrifugal force field in specific rotors type RKK24 (for gel cards), RKP24x10/5 (for test-tube of Vacutainer type), and RKP10x15K (for centrifugal and chemical test-tubes).

The Centrifuge is used in microbiology, clinic chemistry, in practice of laboratory clinic diagnostics. The Centrifuge operation modes control is digital.

Control system ensures the following functions:

- Setting and indication of time and rotational speed at the light indicators.
- Cover locking.
- Automatic cover unlocking after the Centrifuge stop.

In its design the Centrifuge version is based on the series medical centrifuge type OPn-3M and meets safety requirements GOST 12.2.091-2012 (IEC 61010-1:2001) and GOST IEC 61010-2-020-2013.

SPECIFICATIONS

Maximum rotational speed is (3000-400) rpm.

Rotation speed set range with step 100 rpm is 500 rpm to 3000 rpm.

Maximum separation factor value is 1520.

Maximum centrifugated liquid volume is 180 ml.

Operating time set range in automatic drive switch-off mode with step 1 min is 0 min to 99 min.

Maximum drive switch-off time deviation from set value is $\pm 2\%$.

Maximum acceleration time and deceleration time is 3 min.

AC Mains Power Supply to Centrifuge:

- Voltage 220 V
- Frequency 50 Hz
- Maximum noise level 70 dBA
- Maximum Mains Consumed Power 250 VA

Maximum Overall Dimensions:

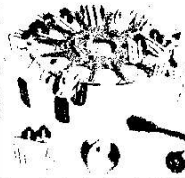


- Length 445
- Width 430
- Height 235.
- Maximum Weight of Centrifuge with Set of Spare Parts, Tools and Accessories: 15 kg.

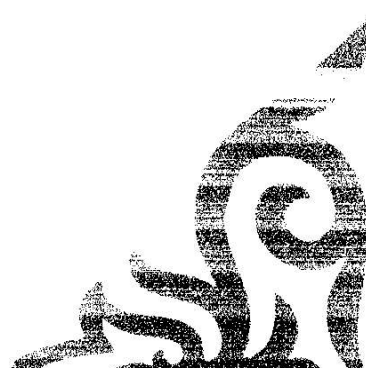
The Centrifuge can be equipped with replaceable rotors of types: RKK24 (for gel cards), RKP24x10/5 (for test-tube of Vacutainer type), and RKP10x15K (for centrifugal and chemical test-tubes).

The Rotor type to be supplied with the Centrifuge will be selected by order.



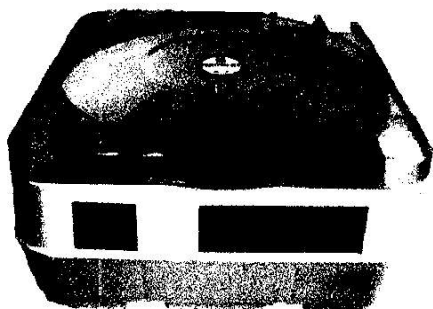
ROTORS FOR MEDICAL LABORATORY CENTRIFUGE TYPE OPn-3M.06

Name and Type of the Rotor	Maximum Volume of Centrifugate	Max. Work Rotation Frequency	Maximum Value of Separation Factor	Maximum Weight of the Rotor	Number of Tubes and Maximum Volume	Photo of the Rotor
RKK24 Rotor	24 nos. gel cards	1000 rpm	140	1.7 kg	24 nos. (8 test-tube) DG gel cards	
RKP24x10/5 Rotor	180 cm ³	2700 rpm	1450	1.5 kg	12x5 cm ³ 12x10 cm ³ or 24x5 cm ³ Vacutainer	
RKP10x15K Rotor	150 cm ³	2700 rpm	1500	1.2 kg	10x15 cm ³	





MEDICAL LABORATORY CENTRIFUGE



MEDICAL LABORATORY CENTRIFUGE TYPE OPn-3M.05

A portable, desktop, batch centrifuge with a digital control system designed for separation of inhomogeneous liquid systems with density up to 2 g/cm³ in the field of centrifugal forces. The Centrifuge is used in the practice of laboratory clinical diagnosis, research in the field of medicine. The centrifuge has a digital display of rotation speed and operating time. It sets a rotation frequency of test tube holder from 500 to 2700 rpm, increments of 100 rpm. It provides a setting of centrifugation time from 0 to 99 minutes with a resolution of 1 min. Operating mode setting time and braking time is not more than 3 min.

Maximum value of separation factor: 1450. Maximum volume of centrifugate: 180 ml.

The centrifuge has a safety system that provides:

- Locking of the rotation start of the test tube holder with the lid open.
- Locking of the lid opening until the test tube holder is completely stopped.

The centrifuge is equipped with a 24-seat test tube holder designed to work with Vacutainer type tubes of capacity 1.7ml to 10ml. It is possible to simultaneously install tubes: 12 nos. with capacity 1.7ml to 5ml and 12 nos. with capacity 7ml to 10ml or 24 nos. of capacity 1.7ml to 5ml.

SPECIFICATIONS:

Powered by single-phase AC mains power.

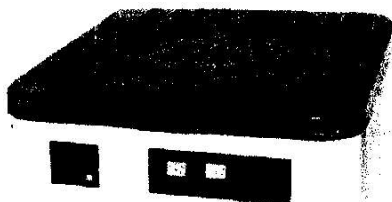
- | | |
|---------------------|--------|
| - Voltage | 220 V |
| - Frequency | 50 Hz |
| - Power consumption | 250V·A |

Overall dimensions:

- | | |
|----------------------------|--------|
| - Length | 445 mm |
| - Width | 430 mm |
| - Height | 235 mm |
| - Weight of the centrifuge | 15 kg |



MEDICAL LABORATORY CENTRIFUGE



MEDICAL LABORATORY CENTRIFUGE TYPE OPn-3M

A portable, desktop, batch centrifuge with digital control system designed for separation of inhomogeneous liquid systems with density up to 2 g/cm³ in the field of centrifugal forces.

The Centrifuge is used in practice of laboratory clinical diagnosis, research in the field of medicine.

Maximum rotation speed of test-tube holder: 2700 rpm.

The Centrifuge provides the rotation speed of the test-tube holder from 500 to 2700 rpm with a resolution 100 rpm.

Permissible deviation of rotation speed from the maximum operating rotation speed: less than $\pm 5\%$.

Maximum value of separation factor: 1520. Maximum volume of centrifuge: 150 ml.

The number of tubes installed in the test tube holder: 10 pcs.

The Centrifuge has a digital display of rotation speed and operating time.

The Centrifuge provides setting of the centrifugation time 0 to 99 min with a resolution 1 min.

Operating mode set time and braking time: not more than 3 minutes.

The centrifuge has a safety system that provides:

- Locking of the rotation start of the test tube holder with the lid open.
- Locking of the lid opening until a complete stop of the test tube holder.

SPECIFICATIONS:

Powered by single-phase AC mains power:

- | | |
|---------------------|---------|
| - Voltage | 220 V |
| - Frequency | 50 Hz |
| - Power consumption | 250 V·A |

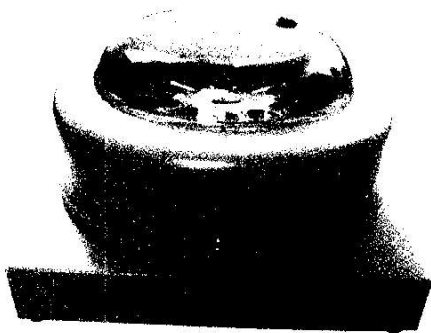
Overall dimensions:

- | | |
|----------------------------|--------|
| - Length | 445 mm |
| - Width | 430 mm |
| - Height | 235 mm |
| - Weight of the Centrifuge | 15 kg |

It is equipped with various adapters that allow centrifugation in chemical tubes with capacity 15 ml, in centrifuge tubes with a cylindrical and conical bottom with capacity 10 ml as well as in tubes of the Vacutainer type with capacity 1.7 ml to 10 ml.



MEDICAL LABORATORY CENTRIFUGE



CLINICAL LABORATORY CENTRIFUGE TYPE OPn-3.04 "DASTAN"

It is a portable, desktop, batch Centrifuge designed for separation of inhomogeneous liquid systems with density up to 2 g / cm^3 in the field of centrifugal forces. The Centrifuge is used in the practice of laboratory clinical diagnosis, research in the field of medicine.

The Centrifuge provides for the installation of frequency of rotation of test tube holder steps - 1000, 1500, 3000 rpm with light alarm set degrees of rotation frequency.

The permissible deviation of the specified speed is not more than $\pm 150 \text{ rpm}$ at frequencies 1000 and 1500 rpm and minus 400 rpm at speed 3000 rpm.

Operating mode setting time and braking time is not more than 3 minutes.

Maximum value of the separation factor is 1450. Maximum volume of the centrifuge is 180 ml.

 The centrifuge has a safety system that provides:

- Locking of the rotation start of the test tube holder with the lid open.
- Locking of the lid opening to a complete stop of the test tube holder.

The centrifuge is equipped with a 24-seat test tube holder designed to work with Vacutainer type test tubes with a capacity of 1.7 to 10 ml. it is possible to simultaneously install test tubes: 12 PCs. with a capacity of 1.7 to 5 ml and 12 PCs. with a capacity of 7 to 10 ml or 24 PCs. with a capacity of 1.7 to 5 ml.

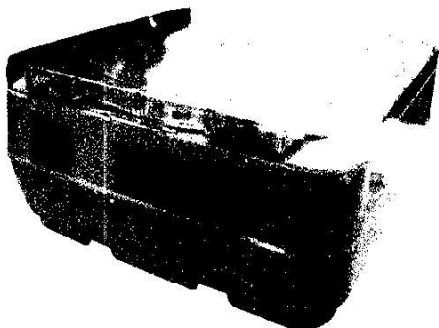
SPECIFICATIONS:

Powered by Single-phase AC Mains Power.

- | | |
|---------------------|---------|
| - Voltage | 220 V |
| - Frequency | 50 Hz |
| - Power Consumption | 300 V·A |

Overall Dimensions:

- | | |
|----------------------------|--------|
| - Length | 460 mm |
| - Width | 430 mm |
| - Height | 270 mm |
| - Weight of the Centrifuge | 15 kg |



LABORATORY CLINICAL CENTRIFUGE TYPE OPn-3.03 "DASTAN"

A portable, desktop, batch centrifuge designed for separation of inhomogeneous liquid systems with density up to 2 g/cm³ in the field of centrifugal forces. The Centrifuge is used in practice of laboratory clinical diagnosis, research in the field of medicine.

The Centrifuge provides for setting of rotation speed of test-tube holder steps 1000, 1500, 3000 rpm with light alarm set degrees of the rotation speed.

Permissible deviation of the specified speed is not more than ± 150 rpm at rotation speed 1000 and 1500 rpm and minus 400 rpm at rotation speed 3000 rpm.

Operating mode set time and braking time: not more than 3 minutes. Maximum value of separation factor: 1450.

Maximum volume of centrifugate: 180 ml.



The centrifuge has a safety system that provides:

- Locking of the rotation start of the test tube holder with the lid open.
- Locking of the lid opening against the complete stop of the test-tube holder.

The Centrifuge is equipped with a 24-seat test-tube holder designed to work with Vacutainer type test tubes with capacity 1.7 to 10 ml. It is possible to simultaneously install test tubes: 12 pcs with capacity 1.7 to 5 ml and 12 pcs. with capacity 7 to 10 ml or 24 pcs with capacity 1.7 to 5 ml.



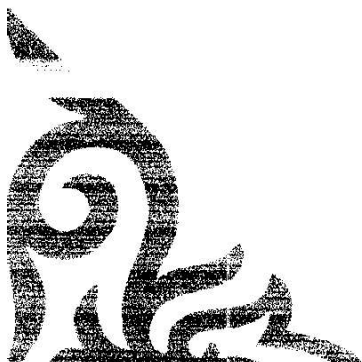
SPECIFICATIONS:

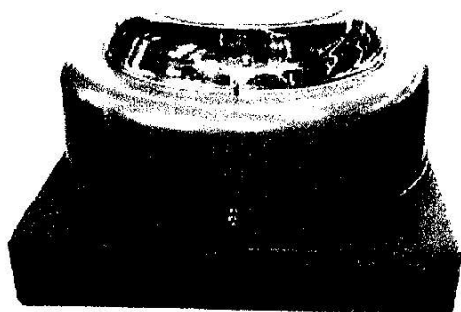
Powered by single-phase AC mains power:

- Voltage 220 V
- Frequency 50 Hz
- Power consumption 300 V·A

Overall dimensions:

- Length 445 mm
- Width 430 mm
- Height 235 mm
- Weight of the centrifuge 15 kg





CENTRIFUGE LABORATORY CLINICAL OPn-3.02 «DASTAN»

A portable, desktop, batch Centrifuge is designed for separation of inhomogeneous liquid systems with density up to 2 g/cm³ in the field of centrifugal forces. The Centrifuge is used in practice of laboratory clinical diagnosis, research in the field of medicine.

Maximum value of separation factor: 1520.

Maximum volume of centrifuge: 150 ml.

Number of tubes installed in tube holder: 10.

The Centrifuge provides for setting of rotation speed of test-tube holder steps 1000, 1500, and 3000 rpm.

Time to reach steady operation and braking time: not more than 3 mins.

The centrifuge has a safety system that provides:

- Locking of the rotation start of the test tube holder with the lid open.
- Locking of the lid opening against the complete stop of the test tube holder.

SPECIFICATIONS:

Powered by single-phase AC mains power:

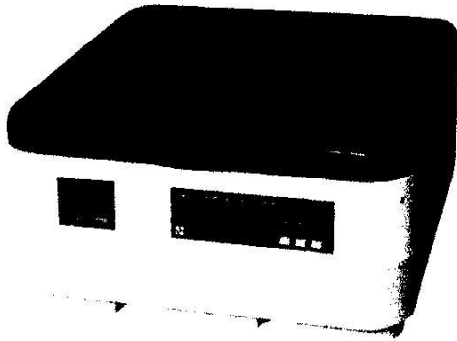
- | | |
|---------------------|---------|
| - Voltage | 220 V |
| - Frequency | 50 Hz |
| - Power consumption | 300 V·A |

Overall dimensions:

- | | |
|----------------------------|--------|
| - Length | 460 mm |
| - Width | 430 mm |
| - Height | 270 mm |
| - Weight of the centrifuge | 15 kg |



MEDICAL LABORATORY CENTRIFUGE



CENTRIFUGE LABORATORY CLINICAL ОПН-3.01 «DASTAN»

A portable, desktop, batch centrifuge designed for separation of inhomogeneous liquid systems with density up to 2 g/cm³ in the centrifugal forces field. The Centrifuge is used in practice of laboratory clinical diagnosis, research in the field of medicine.

Maximum value of separation factor: 1520.

Maximum volume of centrifuge: 150 ml.

Number of tubes installed in test tube holder: 10.

The Centrifuge provides the installation speed of test tube holder of steps 1000, 1500 & 3000rpm.

Time to reach steady operation and braking time: not exceeding 3 min.



The centrifuge has a safety system that provides:

- Locking of the rotation start of the test tube holder with the lid open.
- Locking of the lid opening against the complete stop of the test tube holder.



SPECIFICATIONS:

Powered by single-phase AC mains power.

- | | |
|---------------------|---------|
| - Voltage | 220 V |
| - Frequency | 50 Hz |
| - Power consumption | 300 V·A |

Overall dimensions:

- | | |
|----------------------------|--------|
| - Length | 445 mm |
| - Width | 430 mm |
| - Height | 235 mm |
| - Weight of the centrifuge | 15 kg |





MEDICAL LABORATORY CENTRIFUGE



MEDICAL LABORATORY CENTRIFUGE TYPE OPn-0539

Desktop, batch centrifuge with digital control system designed for separation of inhomogeneous liquid systems with density up to 2 g/cm³ in the field of centrifugal forces.
Centrifuge is used in the practice of laboratory clinical diagnosis, research in the field of medicine.

Maximum speed of the rotors is 5000 rpm.

The centrifuge provides the setting of the rotor speed 500 rpm to 5000 rpm with a resolution 100 rpm.

Permissible deviation of the speed from the specified speed no more than ± 50 rpm.

Maximum value of the separation factor is 2410. Maximum volume of centrifuge is 800 ml. It has a digital display of speed and operating time.

The centrifuge ensures the centrifugation time from 0 to 99 minutes in increments of 1 min.


Time for setting the operating mode and the braking time should not exceed 3 minutes (with the RU36x1.5 rotor – not more than 30 sec).

With the RU36x1.5 rotor it has a mode for carrying out the rapid tests with rapid acceleration and rapid braking of the rotor.

 **The centrifuge has a safety system that provides:**

- Locking of the rotor rotation start with the lid open.
- Locking of the lid opening until the rotor stops completely.
- Automatic shut-off when exceeding the imbalance of the rotor.

 **SPECIFICATIONS:**

 **Powered by single-phase AC mains power.**

- | | |
|---------------------|---------|
| - Voltage | 220 V |
| - Frequency | 50 Hz |
| - Power consumption | 500 V·A |

Overall dimensions:



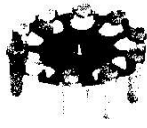

- | | |
|----------------------------|--------|
| - Length | 445 mm |
| - Width | 430 mm |
| - Height | 260 mm |
| - Weight of the centrifuge | 25 kg |

The centrifuge comes with a RKS4x200 rotor, at the consumer request it can be equipped with rotors:

RKP10x15, RKP24x10, RU36x1.5 and various adapters, which allows for centrifugation in chemical tubes with capacity 15 ml, in centrifuge tubes with a conical and cylindrical bottom with capacity 10 ml as well as in tubes of the Vacutainer type with capacity 5 to 10 ml, in tubes of the Falcon type with a capacity 10 to 15 ml.



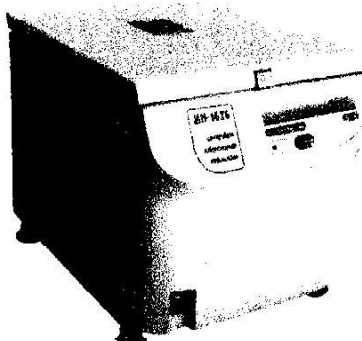
ROTORS FOR MEDICAL LABORATORY CENTRIFUGE TYPE OPn-0539

Name and Type of the Rotor	Number of Tubes and Maximum Volume	Maximum Operating Rotation Frequency	Maximum Value of Separation Factor	Maximum Volume of the Centrifugate	Weight of the Rotor	Photo of the Rotor
RKS4x200	4 x200 12x50 «Falcon» 20x15 «Falcon» 32x15 48x10 «Vacutainer» 64x5 «Vacutainer»	3500 rpm	2370	800 cm ³	2,8 kg	
RKP 24x10	24x10 «Vacutainer» 24x5 «Vacutainer»	3200 rpm	2050	240 cm ³	1,1 kg	
RKP 10x15	10x15	3000 rpm	1860	150 cm ³	0,9 kg	
RU 36x1,5	36x1,5	5000 rpm	2410	54 cm ³	0,9 kg	





MEDICAL LABORATORY CENTRIFUGE



MEDICAL LABORATORY CENTRIFUGE TYPE CN-1626

Table-top centrifuge of periodic action designed to separate heterogeneous liquid systems with density up to 2 g/cm³ in the field of centrifugal forces in specific rotors.

Centrifuge is used in the practice of laboratory diagnostics. The centrifuge ensures that the rotor speed from 500 to 16,000 rpm, increments of 100 rpm, the Permissible deviation of the actual rotation frequency of the specified value not more than ± 50 rpm.

Maximum value of the separation factor :- 22300.

Maximum volume of the centrifuge: - 300 ml.

The Centrifuge Provides Centrifugation Time Setting:

- In the NORMAL mode – from 0 to 99 min, with a distinctiveness of 1 min.
- In the TURBO mode - 0 to 99 seconds, with a distinctiveness of 1 s.

The centrifuge has 10 stages of acceleration and deceleration.

Minimum operating mode set time and minimum braking time, not more than 2 min.

The centrifuge operation modes control is digital.

Number of memory cells of the programs of work:- 16.

The Centrifuge has a safety system that provides:

- Locking of the Centrifuge with the lid open.
- Locking of the lid opening until the rotor stops completely.
- Emergency shutdown if the maximum speed is exceeded.
- Emergency shutdown when exceeding the rotor imbalance.

Specifications:

AC Mains Power Supply:

- | | |
|---------------------|---------|
| - Voltage | 220 V |
| - Frequency | 50 Hz |
| - Power consumption | 500 V·A |

Overall Dimensions of the Centrifuge:

- | | |
|-------------------------|--------|
| - Width | 370 mm |
| - Depth | 480 mm |
| - Height | 360 mm |
| - The Centrifuge Weight | 45 kg |


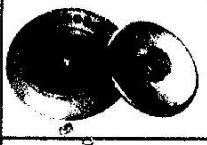





The Centrifuge can be equipped with replaceable rotors:

RKS4x25, RU36x1.5M, RU180, RU12x10M, RU24x1.5/2.0.

The type of rotor supplied with the centrifuge is selected by the order.



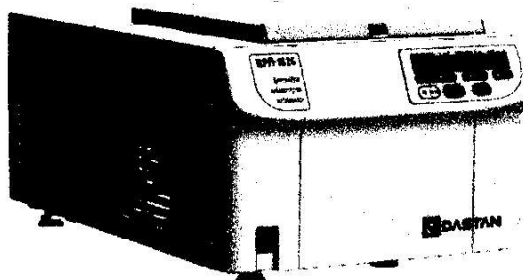
ROTORS FOR LABORATORY MEDICAL CENTRIFUGE TYPE CN-1626

Name and Type of the Rotor the Rotor	Number of Tubes and Maximum Volume	Maximum Work Rotation Frequency	Maximum Value of Separation Factor	Maximum Volume of the Centrifugate	Maximum Weight of the Rotor	Photo of Rotor
RKS4x25 Rotor	4x25 cm ³ 4x10 cm ³ 12x5 cm ³	12000 rpm	14700	100 cm ³	3.6 kg	
RU24x1.5/2.0 Rotor	24x1.5 cm ³ 24x2.0 cm ³	16000 rpm	22300	48 cm ³	1.5 kg	
RU12x10M Rotor	12x10 cm ³	12000 rpm	16450	120 cm ³	3.6 kg	
RU180 Rotor	4x25 cm ³ 4x10 cm ³ 8x5 cm ³	12000 rpm	14700	180 cm ³	3.0 kg	
RU36x1.5M Rotor	36x1.5 cm ³	12000 rpm	14350	54 cm ³	2.5 kg	
RU6x50 Angular Rotor	6x50 cm ³ Falcon	10000 rpm	10070	300 cm ³	4.0 kg	
RU10x15 Angular Rotor	10x15 cm ³ Falcon	10000 rpm	10850	150 cm ³	3.8 kg	





MEDICAL LABORATORY CENTRIFUGE



MEDICAL LABORATORY CENTRIFUGE TYPE CRN-1626

A table-top, refrigerator Centrifuge of periodic action with rotation speed up to 16000rpm used to separate heterogeneous liquid systems of density up to 2 g/cm³ in the centrifugal forces field in specific rotors.

The Centrifuge is used in practice of laboratory clinic diagnostics.

The Centrifuge provides the rotor speed setting from 500 rpm to 16000 rpm with a step 100 rpm.

Maximum permissible deviation of the actual rotation frequency of the preset value: ± 50 rpm.

Temperature stabilization range in the chamber: from minus 5 °C to plus 30 °C.

Maximum temperature deviation in the chamber from the preset value: ± 2 °C.

Maximum value of separation factor: 22300.

Maximum Centrifuge volume: 300 cm³.

The Centrifuge Ensures Centrifugation Time Setting:

- At the Normal mode – from 0 min to 99 min with a step 1 min.

- At the TURBO mode – from 0 sec to 99 sec with a step 1 sec.

The Centrifuge has 10 stages of acceleration and deceleration.

Minimum operating mode set time and minimum braking time, not more than 2 minutes.

The Centrifuge operation modes control is digital.

The number of work programs memory cells: 16.

The Centrifuge Provides:

- Locking of the centrifuge operation with the cover open.

- Emergency shutdown if the maximum rotation speed has been exceeded.

- Emergency shutdown if the rotor imbalance has been exceeded.

SPECIFICATIONS:

AC Mains Power Supply to Centrifuge:

- Voltage:	220 \pm 22 V
- Frequency:	50 \pm 0.5 Hz
- Maximum Consumed Power from AC Mains:	700 V·A

The Centrifuge Overall Dimensions:

- Width	485 mm
- Depth	805 mm
- Height	370 mm
- The Centrifuge Maximum Weight with a Set of Spare Parts:	85 kg

The Centrifuge version meets electric safety requirements in view of protection class 1 type B GOST 20790-93/ GOST P 50444-92 and meets safety requirements GOST 12.2.091-2012 (IEC 61010-1:2001) and GOST IEC 61010-2-020-2013



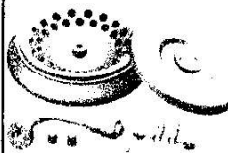
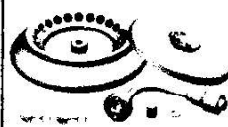
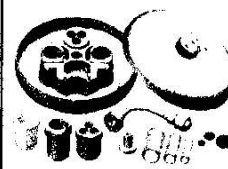


The Centrifuge can be equipped with replaceable Rotors:

RKS4x25, RU36x1,5M, RU180, RU12x10M, RU24x1,5/2,0., RU10x15, and RU6x50.

A type of the Rotor to be supplied with the Centrifuge will be selected by the order.

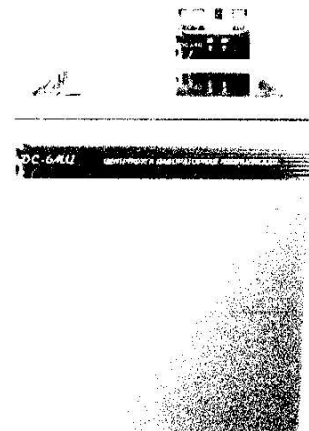


ROTORS FOR LABORATORY MEDICAL CENTRIFUGE TYPE CRN-1626

NAME AND TYPE OF ROTOR	NUMBER OF TUBES AND MAXIMUM VOLUME	MAXIMUM OPERATING ROTATION SPEED	MAXIMUM VALUE OF SEPARATION FACTOR	MAXIMUM VOLUME OF CENTRIFUGATE	WEIGHT OF ROTOR	PHOTO OF ROTOR
RU12x10M Angular Rotor	120 cm ³	12000 rpm	16450	3.6 kg	12x10 cm ³	
RU180 Angular Rotor	180 cm ³	12000 rpm	14700	3.0 kg	4x25 cm ³ 4x10 cm ³ 8x5 cm ³	
RU36x1.5M Angular Rotor	54 cm ³	12000 rpm	14350	2.5 kg	36x1.5cm ³	
RU24x1.5/2.0 Angular Rotor	48 cm ³	16000 rpm	22300	1.5 kg	24x1.5cm ³ 24x2.0cm ³	
RKS4x25 Crosspiece Rotor	100 cm ³	12000 rpm	14700	3.6 kg	4x25 cm ³ 4x10 cm ³ 12x5 cm ³	
RU6x50 Angular Rotor	300 cm ³	10000 rpm	10070	4.0 kg	6x50 cm ³ Falcon	
RU 10x15 Angular Rotor	150 cm ³	10000 rpm	10850	3.8 kg	10x15 cm ³ Falcon	



MEDICAL LABORATORY CENTRIFUGE



LABORATORY MEDICAL CENTRIFUGE TYPE OS-6MD (OC-6MLQ)

A stationary, batch Centrifuge with a digital control system designed for separation of inhomogeneous liquid systems with density up to 2 g/cm³ in the field of centrifugal forces in specific rotors.

The Centrifuge is used in practice of laboratory diagnostics, at donor sites, and for research in the field of medicine.

Maximum value of separation factor: 7300

Maximum volume of centrifuge: 4000 ml

The Centrifuge has memory of 16 programs of work with installation of the rotor type, rotation speed, operation time, dispersal time, braking time and provides digital indication of operating modes. Rotation speed: programmable.

It provides a speed setting from 500 rpm to 6000 rpm with a resolution 100 rpm.

Control range of operating time in the mode of automatic shutdown of the drive - up to 99 min with resolution 1 min.

Acceleration time to the preset speed is programmable, from 0 to 99 min with resolution 1 min.

Time to reach the steady-state operating mode and braking time (at slow acceleration and deceleration): not more than 8 min.

Braking time is programmable.

Braking time control range: up to 99 min with resolution 1 min.

The Centrifuge Has Safety System that Provides

- Locking the rotor rotation start with the lid open;
- Locking the lid opening until the rotor stops completely;
- Automatic shutdown of the rotor rotation when exceeding the maximum speed allowed for it;
- Automatic shutdown of the centrifuge in excess of the imbalance of the rotor.

TECHNICAL PARAMETERS:

Powered by single-phase AC mains power:

- | | |
|---------------------|----------|
| - Voltage | 220 V |
| - Frequency | 50 Hz |
| - Power consumption | 1.5 kV·A |

Overall dimensions:

- | | |
|----------|--------|
| - Length | 760 mm |
| - Width | 700 mm |
| - Height | 940 mm |

- | | |
|----------------------------|--------|
| - Weight of the Centrifuge | 100 kg |
|----------------------------|--------|

Package includes centrifuges interchangeable rotors:

PK4x750K, PK4x750MK, PK8x90MK; PY8x90K, PY60x25K, PY12x50K; PKC4x1000.

A type of the rotor supplied with the Centrifuge is selected by the order.



ROTORS FOR OS-6MD (OC-6ML) MEDICAL LABORATORY CENTRIFUGE

NAME AND TYPE OF ROTOR	NUMBER OF TUBES AND MAXIMUM VOLUME	MAXIMUM OPERATING ROTATION SPEED	MAXIMUM VALUE OF SEPARATION FACTOR	MAXIMUM VOLUME OF CENTRIFUGATE	WEIGHT OF ROTOR	PHOTO OF ROTOR
RK4x750K	4x750 cm ³ 4x500 cm ³ 4x250 cm ³ 4x100 cm ³ 4x50, 24x25 32x10 cm ³	2500 rpm	1600	3000 cm ³	8.5 kg	
RK4x-750MK	4x750 cm ³ 24x25 cm ³ 32x10 cm ³	3500 rpm	3000	3000 cm ³	13.0 kg	
RK8x90MK	8x90, 8x50 8x25, 24x10 32x5, 32x10 cm ³	6000 rpm	7000	720 cm ³	13.5 kg	
RU8x90K	8x90 cm ³ 8x25 cm ³ 32x5 cm ³	6000 rpm	5700	720 cm ³	9.5 kg	
RU60x25K	60x25 cm ³	6000 rpm	7300	1500 cm ³	14.0 kg	
RU12x50K	12x50 cm ³	6000 rpm	5700	600 cm ³	9.0 kg	
RKS4x1000	4x1000 cm ³ 20x50 cm ³ 32x25 cm ³ 32x15 cm ³ 32x10 cm ³	3500 rpm	3000	4000 cm ³	14.5 kg	





MEDICAL LABORATORY CENTRIFUGE



MEDICAL LABORATORY CENTRIFUGE TYPE RS-6MD (PC-6ML)

A stationary, refrigerated, batch Centrifuge with a digital control system designed for separation of inhomogeneous liquid systems with density up to 2 g/cm³ in the field of centrifugal forces in specific rotors. The centrifuge is used in practice of laboratory diagnostics, at donor sites and for research in the field of medicine.

Maximum value of the separation factor: 7300 Maximum volume of the centrifuge: 6000 ml
The centrifuge has in memory 16 work programs with installation of a type of the rotor, rotation speed, operation time, dispersal time, braking time, temperature mode in the working chamber and provides digital indication of operation modes.

Rotation speed is programmable and provides a rotation speed setting from 500 rpm to 6000 rpm with resolution 100 rpm.

Control range of operating time in the mode of automatic shutdown of the drive is from 0 min to 99 min with resolution 1 min.

Acceleration time to the set speed and braking time is programmable from 0 min to 99 min with resolution 1 min.

Time to reach the steady-state operating mode and the braking time at the slow acceleration and deceleration mode is switched off: not more than 8 min.

Temperature regime in the working chamber is programmable. Temperature control ranges from - 5 °C to +30 °C with resolution 1 °C.

Temperature accuracy: ± 1 °C.

The Centrifuge Has Safety System that Provides:

- Locking of the rotor rotation start with the lid open.
- Locking of the lid opening until the rotor stops completely.
- Automatic shutdown of the rotor rotation when exceeding the maximum speed allowed for it.
- Automatic locking of the centrifuge operation in case of deviation from the set temperature mode by more than 5 °C;
- Automatic shutdown of the centrifuge in excess of the imbalance of the rotor.

SPECIFICATIONS:

Powered by single-phase AC mains power:

- | | |
|--------------------------|-----|
| - Voltage V | 220 |
| - Frequency Hz | 50 |
| - Power consumption kV·A | 2,5 |

Overall dimensions mm:

- | | |
|----------|------|
| - Length | 760 |
| - Width | 700 |
| - Height | 1100 |

- | | |
|----------------------------|--------|
| - Weight of the Centrifuge | 180 kg |
|----------------------------|--------|

 The centrifuge can be equipped with replaceable rotors:

RK4x750K, RK4x750MK, RK8x90MK, RU8x90K, RU60x25K, RU12x50K, and RKS4x1000

A type of the rotor be supplied with the Centrifuge will be selected by the order.

By the order the Centrifuge can be supplied in versions with the PKC6x1000 rotor.



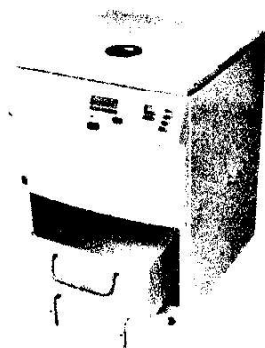
ROTORS FOR RS-6MD (PC-6ML) MEDICAL LABORATORY CENTRIFUGE

NAME AND TYPE OF ROTOR	NUMBER OF TUBES AND MAXIMUM VOLUME	MAXIMUM OPERATING ROTATION SPEED pm	MAXIMUM VALUE OF SEPARATION FACTOR	MAXIMUM VOLUME OF CENTRIFUGATE	WEIGHT OF ROTOR	PHOTO OF ROTOR
RK4x750K	4x750 cm ³ 4x500 cm ³ 4x250 cm ³ 4x100 cm ³ 4x50, 24x25 32x10 cm ³	2500	1600	3000 cm ³	8.5 kg	
RK4x750MK	4x750 cm ³ 24x25 cm ³ 32x10 cm ³	3500	3000	3000 cm ³	13.0 kg	
RK8x90MK	8x90 cm ³ 8x50 cm ³ 8x25 cm ³ 24x10 cm ³ 32x5 cm ³ 32x10 cm ³	6000	7000	720 cm ³	13.5 kg	
RU8x90K	8x90 cm ³ 8x25 cm ³ 32x5 cm ³	6000	5700	720 cm ³	9.5 kg	
RU60x25K	60x25 cm ³	6000	7300	1500 cm ³	14.0 kg	
RU12x50K	12x50 cm ³	6000	5700	600 cm ³	9.0 kg	
RKS4x1000	4x1000 cm ³ 20x50 cm ³ 32x25 cm ³ 32x15 cm ³ 32x10 cm ³	3500	3000	4000 cm ³	14.5 kg	
RKS6x1000	6x1000 cm ³	3200	3000	6000 cm ³	15.5 kg	

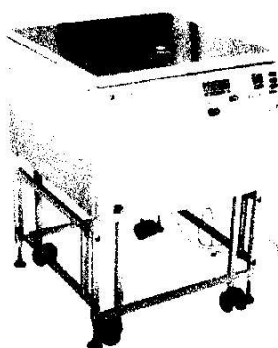


MEDICAL LABORATORY CENTRIFUGE

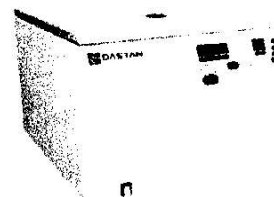
MEDICAL LABORATORY CENTRIFUGE TYPE Cn-12



On PK stand



On PU stand



Tabletop

The Centrifuge is designed for separation of inhomogeneous liquid systems with density up to 2 g / cm^3 in the field of centrifugal forces.

It is used in practice of laboratory diagnostics, donor stations, blood transfusion stations and for research in medicine, chemistry and other areas.

Maximum operating speed: 12000 rpm.

Range of speed setting: from 500 rpm to 12000 rpm with resolution 100 rpm.

Permissible deviation of the actual speed from the preset value: not more than $\pm 100 \text{ rpm}$.

Maximum value of separation factor: 14700.

Maximum volume of centrifuge: 4000 ml.

Range of setting operating time in automatic shutdown mode: from 0 to 99 min with resolution 1 min.

Deviation of drive disconnection time from the set value: not more than $\pm 30 \text{ sec}$.

Operating mode set time and braking time is programmable from the minimum allowable value to 99 min with resolution of 1 min.

Control modes of operation of the centrifuge: digital. Number of memory cells of work programs: 16.

Indication of operating time and rotation speed: digital.

The Centrifuge has a safety system providing:

- Locking of the centrifuge with the camera cover open;
- Locking the lid opening until the rotor stops completely;
- Emergency shutdown if the maximum speed is exceeded;
- Emergency shutdown when exceeding the rotor imbalance.

SPECIFICATIONS

Powered by single-phase AC mains power:

- Voltage 220 V
- Frequency 50 Hz
- Power consumption 1.3 kV·A

Overall dimensions:

- Length 765 mm
- Width 685 mm
- Height 500 mm
- Weight of the centrifuge 108 kg

The centrifuge can be equipped with replaceable rotors:

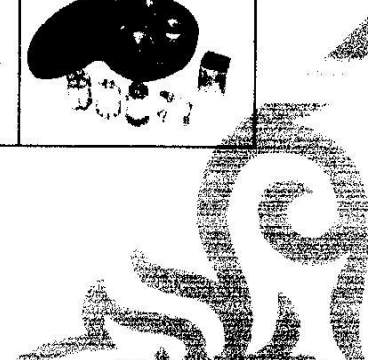
RK4x750K, RK4x750MK, RK8x90MK, RK4x25K; RU8x90K, RU60x25K, RU180K, RU12x50K; RKS4x1000.

The type of rotor supplied with the centrifuge is determined by the order. The centrifuge can be equipped with a simplified PU stand or a container PK stand. The type of stand and its availability in the delivery set with the centrifuge is selected optionally by the order.



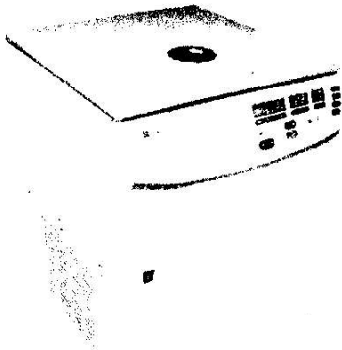
ROTORS FOR Cn-12 MEDICAL LABORATORY CENTRIFUGE

NAME AND TYPE OF ROTOR	NUMBER OF TUBES AND MAXIMUM VOLUME	MAXIMUM OPERATING ROTATION SPEED	MAXIMUM VALUE OF SEPARATION FACTOR	MAXIMUM VOLUME OF CENTRIFUGATE	WEIGHT OF ROTOR	PHOTO OF ROTOR
RK4x750K	4x750, 4x500 4x250, 4x100 4x50, 24x25 32x10 cm ³	2500 rpm	1600	3000 cm ³	8.5 kg	
RK4x750MK	4x750 cm ³ 24x25 cm ³ 32x10 cm ³	3500 rpm	3000	3000 cm ³	13.0 kg	
RK8x90MK	8x90, 8x50 8x25, 24x10 32x5, 32x10 cm ³	6000 rpm	7000	720 cm ³	13.5 kg	
RU8x90K	8x90 cm ³ 8x25 cm ³ 32x5 cm ³	6000 rpm	5700	720 cm ³	9.5 kg	
RU60x25K	60x25 cm ³	6000 rpm	7300	1500 cm ³	14.0 kg	
RU12x50K	12x50 cm ³	6000 rpm	5700	600 cm ³	9.0 kg	
RU180K	4x25 cm ³ 4x10 cm ³ 8x5 cm ³	12000 rpm	14700	180 cm ³	3.0 kg	
RK4x25K	4x25 cm ³ 4x10 cm ³ 12x5 cm ³	12000 rpm	14700	100 cm ³	3.6 kg	
RKS4x1000	4x1000 cm ³ 20x50 cm ³ 32x25 cm ³ 32x15 cm ³ 32x10 cm ³	3500 rpm	3000	4000 cm ³	14.5 kg	





MEDICAL LABORATORY CENTRIFUGE



MEDICAL LABORATORY CENTRIFUGE TYPE CR-12

A stationary, refrigerator centrifuge of periodic action with digital control system designed for separation of inhomogeneous liquid systems with density up to 2 g/cm³ in the field of centrifugal forces. It is used in practice of laboratory diagnostics, donor stations, blood transfusion stations and for research in medicine, chemistry and other areas.

Maximum operating speed: 12000 rpm
Range of speed setting: from 500 rpm to 12000 rpm with resolution 100 rpm
Permissible deviation of the actual speed from the preset value: ± 100 rpm
Maximum value of separation factor: 14700
Maximum volume of centrifuge: 4000 ml
Regulation limits of temperature in the working chamber: from -5°C to +30°C
Pump temperature in the working chamber: 1°C
Setting ranges of time operation to automatically disconnect the actuator: from 0 min to 99 min in increments 1 min
Deviation of the drive disconnection time from the set value: not more than ± 30 sec
Operating mode set time and braking time - programmable from the minimum permissible value to 99 min with resolution 1 min

Control modes of centrifuge operation: digital Number of memory cells of work programs: 16
Digital display of operating time, speed and temperature in the chamber

The Centrifuge Has a Safety System Providing:

- Locking of the centrifuge with the camera cover open.
- Locking the lid opening until the rotor stops completely;
- Emergency shutdown if the temperature in the centrifuge chamber is exceeded.
- Emergency shutdown if the maximum speed is exceeded.
- Emergency shutdown when exceeding the imbalance (the difference of weights in the centrifuged tanks) more than 20 gr.

SPECIFICATIONS:

Powered by single-phase AC mains power:

- Voltage 220 V
- Frequency 50 Hz
- Power consumption 1.8 kV·A

Overall dimensions not more than:

- Length 765 mm
- Width 685 mm
- Height 960 mm
- Weight of the Centrifuge 175 kg

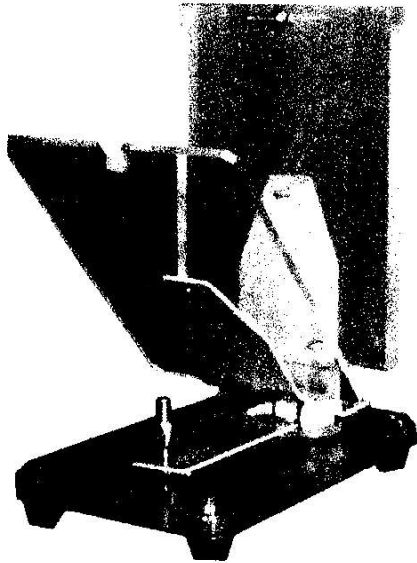
The centrifuge can be equipped with replaceable rotors: RK4x750K, RK4x750MK, RK4x25K, RK8x-90MK, RU8x90K, RU60x25K, RU180K, RU12x50K, and RKS4x1000.

A type of the rotor be supplied with the centrifuge is selected by the order.



ROTORS FOR CR-12 MEDICAL LABORATORY CENTRIFUGE

NAME AND TYPE OF ROTOR	NUMBER OF TUBES AND MAXIMUM VOLUME	MAXIMUM OPERATING ROTATION SPEED	MAXIMUM VALUE OF SEPARATION FACTOR	MAXIMUM VOLUME OF CENTRIFUGATE	WEIGHT OF ROTOR	PHOTO OF ROTOR
RK4x750K	4x750 cm ³ 4x500 cm ³ 4x250 cm ³ 4x100 cm ³ 4x50 cm ³ 24x25 cm ³ 32x10 cm ³	2500 rpm	1600	3000 cm ³	.5 kg	
RK4x750MK	4x750 cm ³ 24x25 cm ³ 32x10 cm ³	3500 rpm	3000	3000 cm ³	13.0 kg	
RK8x90MK	8x90, 8x50 8x25, 24x10 32x5, 32x10 cm ³	6000 rpm	7000	720 cm ³	13.5 kg	
RU8x90K	8x90 cm ³ 8x25 cm ³ 32x5 cm ³	6000 rpm	5700	720 cm ³	9.5 kg	
RU60x25K	60x25 cm ³	6000 rpm	7300	1500 cm ³	14.0 kg	
RU12x50K	12x50 cm ³	6000 rpm	5700	600 cm ³	9.0 kg	
RU180K	4x25 cm ³ 4x10 cm ³ 8x5 cm ³	12000 rpm	14700	180 cm ³	3.0 kg	
RK4x25K	4x25 cm ³ 4x10 cm ³ 12x5 cm ³	12000 rpm	14700	100 cm ³	3.6 kg	
RKS4x1000	4x1000 cm ³ 20x50 cm ³ 32x25 cm ³ 32x15 cm ³ 32x10 cm ³	3500 rpm	3000	4000 cm ³	14.5 kg	



PE-1 "DASTAN" PLASMA EXTRACTOR

A Plasma Extractor is designed to transfer blood components from one polymer container to another. It is used in blood transfusion stations, hospitals, clinics, medical centers.

The Plasma Extractor is operated indoors at ambient temperature from +10°C to + 35°C and relative humidity not more than 80% at + 25°C in the absence of vibrations and shocks.

SPECIFICATIONS:

It provides continuous operation

The compression force of the plates,

The mean time to failure, cycles,

Overall dimensions:

- Length

- Width

- Height

Weight

during 8 hours

30±5 N

not less than 15000

275 mm

140 mm

285 mm

3 kg



IM-01 NEEDLE CUTTER

The needle cutter is designed to destroy disposable syringes, eliminating the risk of re-use. It is used to equip treatment, dressing and examination rooms, departments of polyclinics, hospitals.

The needle cutter is a metal guillotine equipped with a plastic container with a lid. It is simple and easy to use.

It does not require special assembly/disassembly.

Gloucester simultaneously trims the needle with a cannula of the syringe.

The needle and cut-off part of the syringe cannula fall into an impenetrable container with capacity up to 600 needles depending on size.

Mean time between failures of device at least

20000 cuts

Overall dimensions

170x90x150 mm

Weight

1.2 kg

The package includes two containers.



MEDICAL LABORATORY CENTRE 'DASTAN'

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