

**LABORATORY CENTRIFUGE OLISLAB 6400****Laboratory centrifuge OLISLAB 6400**

is designed to separate multicomponent systems into fractions of different densities under the influence of centrifugal forces.

When analysing the technological characteristics of flour or milled grain, the device can be used to perform solvent retention capacity tests (SRC, AWRC).

The device is used to separate substances into fractions by density and consistency due to centrifugal forces. The particles with the minimum specific weight approach the axis of rotation (the top of the tube), and the particles with the maximum specific weight remain on the periphery (the bottom of the tube).

It is used in grain processing, bakery enterprises, variety testing breeding stations, research laboratories and inspection companies.

**Features and benefits:****ACCURACY AND PRODUCTIVITY**

Precise digital setting of the rotor speed.  
Infinitely variable speed control over the entire range.  
Simultaneous centrifugation of up to 10 tubes.

**SAFETY AND DURABILITY**

Durable stainless steel housing.  
Modern electric motor with advanced suspension mechanism.  
Vibration sensor.  
Reliable electric lock.  
Smooth acceleration and deceleration of the centrifuge rotor.

**ERGONOMICS**

Original modern technical design.  
Color touchscreen.  
Audible and visual alarm when the centrifugation time has expired.  
Indication of modes in two ranges:  
- by the speed of rotation;  
- by the separation factor G.  
Availability of glasses for different tubes (15 or 50 ml).

## LABORATORY CENTRIFUGE OLISLAB 6400

**Principle of operation:**

The principle of operation of the device is based on the sedimentation of high-density particles at the bottom of a conical centrifuge tube due to centrifugal forces. Prior to centrifugation, the tubes are placed in special beakers (sleeves) located in the bucket rotor. Under the influence of centripetal forces, the bucket rotor swings and holds the glasses at an angle of about 90° (parallel to the surface on which the device is installed). The high-density particles settle to the bottom of the tube and form a gel, while the supernatant remains on top of the tube.

**Technical characteristics:**

Model	OLISLAB 6400	
Type of rotor	bucket rotor	
Circumferential speed, max.	m/s	55
Speed of rotation,	rpm	10...2850 ±5%
Separation factor, max.	G	1600
Duration of work,	min.	1...99
Electric shock protection class		
Network type	1N-	
Power supply: voltage/frequency,	V/Hz	230±23 / 50
Power consumption,	kW	1150
Overall dimensions L * W * H:		
- in working condition,	mm, not more than	730x695x415
- in transportable condition,	mm, not more than	970 x 830 x 625
Net / gross weight,	kg	87/119
Exploitation conditions:		
- ambient air temperature,	°C	15...25
- relative humidity,	%	60 ±15

**Scope of application:**

For the standardized determination of SRC and AWRC tests in flour according to AACS 56-11 and AACS 56-10 and for use in other methods according to national and international standards.

*For more information, please contact us by phone:*

**+38 (067) 899-47-97 *viber/whatsapp/telegram***

**OLISLAB**