

orto alresa

About centrifugation

General applications | UNICEN 21



UNICEN 21

3 YEAR WARRANTY

IVD CE

The word that best defines and determines its characteristics is, without doubt, universal. It has multiple rotors with a wide range of reducers, which enables it to work with volumes from 0.2 ml. to 100 ml., with angle fixed and swing out options. This equipment covers all types of needs of the users and offers a range of medium speeds for routine processes. To optimise the performance of the equipment in this range, we have increased its capacity with a swing out rotor for up to 28 x 15 ml. tubes and an angle fixed rotor for 32 to 15 ml./15 ml. conical tubes.

It has a control that defines the functions beyond the operation values, thus becoming a piece of equipment perfectly integrated into your processes. Versatile, functional, simple and indispensable in your lab.

Features

LED screen:
- Shows RPM/ RCF and time.
- Speed programming in 50 RPM/ 10 xg steps.
- Count up/down from "0" or at "set RPM/RCF" for reproducible tests.
- Timer from 1 to 99 min. programmable in 1 min. steps and hold position.
- Deceleration control in 3 steps: fast, soft and free.
- Acoustic and visual messages on screen showing the equipment status to the user.

Easy to use

- Microprocessor controlled.
- Induction motor maintenance free (brushless).
- Rotors list in memory.
- Noise level: below 60 dB.
- Start, stop, open lid and short spin with adjustable speed buttons.
- Possibility to block or modify the speed during the cycle.
- Automatic lid opening, programmable.
- Low height for easy access.
- Last values remain in memory.
- Over-speed protection.



Max. Capacity
4 x 100 ml

Max. Speed
2.938 xg / 4.200 RPM

Screen Type
LED

Version
✓ Ventilated

Max. volume
480 ml

EU Directives: 2011/65/EU, 2012/19/EU, 2014/30/EU, 2014/35/EU, 2017/746/EU.
Standards: EN 61010-1, EN 61010-2-101, EN 61010-2-020, EN 61326-2-6, EN 61326-1.

Safety

- Lid provided with security systems:
  - Automatic lid lock system, motorized with double lock.
  - Emergency lid-lock release.
  - Locking and protection against opening along the run.
  - Lid dropping protection.
  - Port in the lid for calibration and operation checking.
- Unbalance detection and switch off.
- Protection safety ring between the centrifugation chamber and the housing.
- Chamber of centrifugation in stainless steel (easy cleaning).
- Buckets can be removed with the lid closed.Hermetic lids
- Rotors and adapters autoclavable, easy to install by the user.
- Forced ventilation to reduce temperature increasing
- Automatic disconnection for energy saving, with deactivation option.

Versions

	Dimensions (mm) (w x d x h)			Net Weight (Kg)	Voltage (V)	Frequency (Hz)	Consumption (W)
CE 126	410	520	320	35	220-230	50-60	250
CE 127	410	520	320	35	110-120	50-60	250

*IVD version available, please indicate it in your request

Universal centrifuges: Unicen 21



Accessories centrifuge Unicen 21

- Rolling table (pag. 78)
- Rotors & adapters

		RT 177		RT 260		RT 175		RT 173 (1) (2)		RT 226		RT 163		RT 256		RT 167	
ROTOR		SWING OUT		SWING OUT		SWING OUT		SWING OUT		ANGLE FIXED 30 °		ANGLE FIXED 35 °		ANGLE FIXED 35 °		ANGLE FIXED 45 °	
Max. capacity		8 x 15 ml.		28 x 15 ml.		4 x 50 ml.		4 x 100 ml.		8 x 15 ml.		24 x 15 ml.		32 x 15 ml.		6 x 50 ml.	
RPM Max.		4.200		4.200		4.200		4.200		4.200		4.200		4.200		4.200	
Radius (mm)		145		147		145		147		91		132/114		149/130		132	
RCF Max. (xg)		2.860		2.899		2.860		2.899		1.795		2.603/2.248		2.938/2.563		2.603	
SAMPLE VOLUME	**Dim (mm) approx.**	**ADAPTERS Tubes**	**Ref.**	**ADAPTERS Tubes**	**Ref.**	**ADAPTERS Tubes**	**Ref.**	**ADAPTERS Tubes**	**Ref.**	**ADAPTERS Tubes**	**Ref.**	**ADAPTERS Tubes**	**Ref.**	**ADAPTERS Tubes**	**Ref.**	**ADAPTERS Tubes**	**Ref.**
100 ml.	ø48 x 100	-	-	-	-	-	-	4	RE 446	-	-	-	-	-	-	-	-
80 ml.	ø44 x 100	-	-	-	-	-	-	4	RE 338	-	-	-	-	-	-	-	-
50 ml.	ø34 x 100	-	-	-	-	4	RE 445	4	RE 335	-	-	-	-	-	-	6	RE 447
50 ml. conical	ø29 x 117	-	-	-	-	4	RE 342	4	RE 341	-	-	-	-	-	-	6	RE 365
30 ml.	ø25 x 98	-	-	-	-	4	RE 333	4	RE 332	-	-	-	-	-	-	6	RE 387
25 ml. conical	ø29 x 83	-	-	-	-	4	RE 596	4	RE 597	-	-	-	-	-	-	6	RE 598
15 ml.	ø16 x 100	8	-	28	-	4	RE 329	16	RE 316	8	-	24	-	32	-	6	RE 361
15 ml. conical	ø17 x 122	8	-	4	-	4	RE 329	4/8	RE 339/579	8	-	12	-	32	-	6	RE 361
10 ml.	ø13 x 100	8	RE 371	28	RE 516	12	RE 313	20	RE 320	8	RE 371	24	RE 385	32	RE 518	18	RE 360
10 ml. blood sample	ø16 x 107	8	-	28	-	4	RE 329	16	RE 316	8	-	24	-	32	-	6	RE 361
7/10 ml. blood sample	ø13 x 107	8	RE 371	28	RE 516	4	RE 337	20	RE 320	8	RE 371	24	RE 385	32	RE 518	6	RE 364
5 ml.	ø13 x 75	8	RE 377	28	RE 512	12	RE 313	20	RE 320	8	RE 377	24	RE 306	32	RE 517	18	RE 360
5 ml. blood sample	ø13 x 82	8	RE 377	28	RE 512	4	RE 337	20	RE 320	8	RE 377	24	RE 306	32	RE 517	6	RE 364
Microtubes 1,5-2 ml.	ø11 x 42	8	RE 513	28	RE 578	12	RE 463	20	RE 408	8	RE 513	24	RE 601	32	RE 602	18	RE 464
Microtubes 0,5-0,6 ml.	ø8 x 30	8	RE 514	28	RE 582	12	RE 531	20	RE 519	8	RE 514	24	RE 603	32	RE 604	18	RE 533
Microtubes 0,2-0,4 ml.	ø6 x 45	8	RE 515	28	RE 583	12	RE 532	20	RE 473	8	RE 515	24	RE 605	32	RE 606	18	RE 534

(1) This rotor can be supplied with hermetic lids (RE 355)
(2) Fitting the tubes in RE 579 will not allow the rotor lid to be closed.

ROLLING TABLE

Centrifuges accessories

With the aim of offering an alternative to those laboratories that need to increase their equipment, but do not have enough space, we have designed these rolling tables for our centrifuges.

This accessory allows the equipment to be positioned and moved easily thanks to its four 360º rotating wheels. Once the rolling table is located, and before starting to work with the centrifuge, the wheels can be fixed with the brake system that will prevent involuntary displacement during the centrifugation process. The robust design supports the weight of the equipment and prevents vibration transfer.

We offfer two types of tables, one with height to locate the equipment at the same height as if they were on the laboratory table and another, that enables you to place your centrifuge under the table of your laboratory, saving even more space.

A solution for each type of need.

References

	Dimensions (mm) (w x d x h)			Net weight (kg)	Centrifuge model
CP 007	560	590	580	65	Biocen 22 R, Bioprocen 22 R, Digicen 22 R, Consul 22 and Digtor 22
CP 008	440	500	690	65	Unicen 21 and Digicen 22
CP 009	750	730	350	70	Consul 22 R, Digtor 22 R and Dilitcen 22 R - to place under table
CP 010	750	730	580	90	Consul 22 R, Digtor 22 R and Dilitcen 22 R



Centrifuges accessories: Rolling table



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About centrifugation

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