

# orto alresa

Centrifuges and laboratory products

[info@ortoalresa.com](mailto:info@ortoalresa.com)

[www.ortoalresa.com](http://www.ortoalresa.com)

+34 91 884 40 16



Special applications: Centrifuges life sciences

# VETCEN

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**Max. capacity:** 6 x 1,5-2 ml. +6 x 1,5x75 mm. **Max. speed:** 12.716 xg /11.500 RPM

Small, compact and ideal for applications in veterinary laboratories where the number of samples is small and different types of tubes need to be processed simultaneously. It has a rotor for microtubes and capillary tubes in the same cycle.

## Features

- Multitubes rotor that allows spin capillary tubes and microtubes in the same run.
- LED screen:**
  - Shows RPM/ RCF and time.
  - Speed programming in 50 RPM/ 10 xg steps.
  - Timer countdown/up from "0" or at "set RPM/ RCF" for reproducible tests.
  - Timer from 1 to 99 min. programmable in 1 min. steps and hold position.
  - Acceleration and deceleration control in 3 steps: fast, soft and free.
  - Acoustic and visual messages on screen warning the user the equipment status.

## Easy to use

- Microprocessor controlled.
- Induction motor maintenance free (brushless).



LED

CE

- Rotors list on memory.
- Noise level: below 60 dB.
- Start, stop, open lid and short spin with adjustable speed buttons.
- Option of free/locked adjustment of RPM/ RCF along the run.
- Automatic open lid, programmable.
- Last values remain in memory.
- Over-speed protection.

## Safety

- Lid provided with security systems:
  - Automatic lid lock system, motorized. 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).
- Rotors and adapters autoclavable, easy to install by the user.
- Forced ventilation to reduce temperature increasing
- Automatic disconnection for energy saving, with deactivation option.

**EU Directives:** 2011/65/EU, 2012/19/EU, 2014/30/EU, 2014/35/EU, 98/79/EC.

**Standards:** EN 61010-1, EN 61010-2-020, EN 61326-2-6, EN 61326-1.

| Versions | Dimensions (mm)(w x d x h) |     |     | Net weight (Kg) | Voltage (V) | Frecuency (Hz) | Consumption (W) |
|----------|----------------------------|-----|-----|-----------------|-------------|----------------|-----------------|
| CE 160   | 276                        | 390 | 272 | 16              | 220-230     | 50-60          | 320             |
| CE 177   | 276                        | 390 | 272 | 16              | 110-120     | 50-60          | 340             |

## Accessories



| ROTOR         | ANGLE FIXED 30°  |                      | MIX    |          |      |
|---------------|------------------|----------------------|--------|----------|------|
|               | RT 126           | RT 130               | RT 126 | RT 130   |      |
| Max. capacity | 12x1,5x75 mm.    | 6x1,5x75+6x1,5-2 ml. |        |          |      |
| RPM Max.      | 11.500           | 11.500               |        |          |      |
| Radius (mm)   | 86               | 86                   |        |          |      |
| RCF Max. (xg) | 12.716           | 12.716               |        |          |      |
| SAMPLE VOLUME | Dim (mm) approx. | ADAPTERS             |        | ADAPTERS |      |
|               |                  | Tubes                | Ref.   | Tubes    | Ref. |
| 1,5-2 ml.     | Ø 11x39          | -                    | -      | 6        | -    |
| Capillaries   | 1,5 x 75 mm.     | 12                   | -      | 6        | -    |

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alresa  
About centrifugation

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+34 91 884 40 16

**Álvarez Redondo S.A.**  
C/ Misericordia, 23.  
Fax: +34 91 884 44 23  
28864 AJALVIR Madrid (Spain)  
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