

orto alresa

Centrifuges and laboratory products

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Special applications: Centrifuges industry

Series DIGTOR 22 C

DIGTOR 22 C



digtor 22 C

Temp 22.0°C

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| | |
|-----------------|---------------|
| Prog: ASTM 4007 | Adapt: RE 476 |
| Rotor: RT 239 | RCF: 2.425 |
| RPM: 3.000 | Decel: 30 s |
| Accel: 30 s | Temp: 60°C |
| Time: 00:10:00 | |



Max. capacity: 4 x 100 ml. (8/6")

Max. speed: 2.425 xg / 3.000 RPM

With capacity for 4 tubes of 8", 6", trace and 28 "finger" tubes. Versatile and effective is the better option of all the centrifuges for oil applications.

Features

- Designed for oil/petrol applications according the standards: ASTM D 91, D96, D 893, D 1796, D2273, D2709, D 2711, D 4007, D 5546, API 2542, API 2548, BS 4385, ISO 3734, ISO 9030, IP75, IP 359, NF M07-020, DIN 51793. Fits Babcock bottles.
- Tubes upright on rest.
- GRS: Gas release system (optional); pre-installation included.

TFT color touch screen, visible from more than 3 m.:

- Shows RPM and RCF, time, temperature, acceleration/deceleration values (PCBS) and unbalancing location system (ULS).
- Speed programming in 10 RPM/10 xg steps.
- Real RCF values on screen based in accessories configuration.
- Count up/down from "0" or at "set RPM/RCF" for test reproducibility.
- Timer countdown/up from "0" or at "set RPM/ RCF" for reproducible tests.
- Timer from 1 min to 99 hours programmable in 1 sec. steps and hold position.
- PCBS: Progressive controlled acceleration and braking system up to 175 selectable ramps that prevents sample homogenization after separation.
- ULS: Unbalancing location system indicating on the screen the number of the bucket which produces the unbalance switch off.
- 40 programmable memories, with protection under password.
- Several acoustic and visual messages warning the user the device situation.

Easy to use

- Microprocessor controlled. PC connection.
- Induction motor maintenance free (brushless).
- Rotors and adapters 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.
- Last values remain in memory.
- Automatic rotor recognition. Over-speed protection.

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).
- Rotors and adapters autoclavable, easy to install by the user.
- Automatic disconnection for energy saving up to 8 h.

Heating

- Preheating program with rotor spinning and temperature selectable. Allows keep the chamber at working temperature before starting the process.
- Regulation of the room temperature +5°C (41°F) to 80°C (176°F) in 1°C/1°F steps. Programmable in °C o °F.
- Temperature sensor inside the chamber. Overheating protection.
- Internal isolated avoiding heat lost.

EU Directives: 2011/65/EU, 2012/19/EU, 2014/30/EU, 2014/35/EU.

Standards: EN 61010-1, EN 61010-2-020, EN 61010-2-101, EN 61326-2-6, EN 61326-1, EN 61010-2-010.

| Versions | Dimensions (mm)(w x d x h) | | | Net weight (Kg) | Voltage (V) | Frecuency (Hz) | Consumption (W) |
|----------|----------------------------|-----|-----|-----------------|-------------|----------------|-----------------|
| CE 238 | 530 | 640 | 400 | 76 | 220-230 | 50-60 | 1.260 |
| CE 239 | 530 | 640 | 400 | 76 | 110-120 | 50-60 | 1.220 |

Accessories

RT 293



RT 289



| ROTOR | | SWING OUT | | SWING OUT | |
|--------------------|------------------|------------------|--------|----------------|--------|
| | | | | | |
| Max. capacity | | 4x100 ml. (8/6") | | 4x100 ml. (8") | |
| RPM Max. | | 3.000 | | 3.000 | |
| Radius (mm) | | 241 | | 241 | |
| RCF Max. (xg) | | 2.425 | | 2.425 | |
| SAMPLE VOLUME | Dim (mm) approx. | ADAPTERS | | ADAPTERS | |
| | | Tubes | Ref. | Tubes | Ref. |
| ASTM cone shape 6" | Ø 44-46x162-167 | 4 | RE 475 | - | - |
| ASTM pear shape | Ø 58-59x157-160 | 4 | RE 477 | - | - |
| ASTM trace/cone 8" | Ø 36-38x195-203 | 4 | RE 476 | 4 | - |
| API finger 12,5 ml | Ø 16x105 | 28 | RE 456 | 4 | RE 455 |
| API finger 12,5 ml | Ø 16x105 | - | - | 16 | RE 454 |

Available tubes check tubes features in pag. 13.