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CF-260 Centrifuge

# Ultimate flexibility and power.

The CF-260 is a high-speed laboratory centrifuge designed for use in medical and scientific laboratories for separating substances with different relative densities by using centrifugal force. The maximum rotational speed of 18,000 rpm gives the centrifugal force of 31,150 rcf.

Its ergonomic and state-of-the-art design makes the CF-260 a user-friendly instrument.

The interface is modern and offers great visibility with big LED lights. The CF-260 uses only one knob and big, illuminated buttons. Very clear notification of each parameter helps the user proceed with quick parameter adjustments. All the parameters are also very clearly noticeable on separate LED displays.



User manual, rotor key, and power cord included with instrument.  
All rotors, buckets, and inserts are sold separately.

**Part number: CF-260-120/220/220UK**

## Specifications

|                              |                                                                                             |
|------------------------------|---------------------------------------------------------------------------------------------|
| Power rating                 | CF-260-120 - 120V, 50/60 Hz                                                                 |
|                              | CF-260-220 - 220V, 50/60 Hz                                                                 |
|                              | CF-260-220UK - 220V, 50/60 Hz                                                               |
| Max. power consumption       | 450 watts                                                                                   |
| Max. rotation speed          | 200 to 18,000 rpm, in steps of 10 rpm                                                       |
| Maximum G force              | 31,150 rcf                                                                                  |
| Maximum capacity             | 6 x 50 mL (angle rotor) 6 x 12 mL (swing out rotor)                                         |
| Rotors available             | 10                                                                                          |
| Time                         | 10 s to 99 min and continuous, step 10 s                                                    |
| Programs                     | 100                                                                                         |
| Acceleration levels          | 10                                                                                          |
| Deceleration levels          | 10 (Level 0 without braking)                                                                |
| Display                      | LED                                                                                         |
| Noise level (at max. speed)  | ≤ 66 dBA                                                                                    |
| Fast spin                    | Yes                                                                                         |
| Lid locking mechanism        | Motorized                                                                                   |
| Lid Lock                     | 2 Latches                                                                                   |
| Motor type                   | Induction brushless motor                                                                   |
| Permitted ambient conditions | 2 to 35 °C, Humidity: 75 %, Non-condensing                                                  |
| Dimensions                   | W: 14.2" (36.0 cm), D: 16.9" (43.0 cm), H: 11.3" (28.8 cm)<br>(H: lid open 23.9" (60.6 cm)) |
| Weight                       | 49.6 lbs. (22.5 kg)                                                                         |
| Warranty                     | One year                                                                                    |
| Certification                | CE                                                                                          |

# Rotors



**24 x 2 mL  
Microcentrifuge Tube  
Rotor with Lid**

**Part number: 228442**

- Rotor type: RA 24/2 angle rotor with lid
- Maximum capacity: 24 x 1.5/2.0 mL microcentrifuge tubes - optional 0.2 mL or 0.5 mL adapters for PCR tubes (284351 or 283349)
- Maximum tube dimensions: 11 x 40 mm
- Maximum speed: 15,000 rpm
- Maximum centrifugal force: 21,630 rcf
- Radius: 86 mm
- Angle: 45°
- Minimum acceleration time: 22 s
- Minimum braking time: 23 s
- Rotor and lid autoclavable: Yes



**4 x 8 PCR Strip Rotor**

**Part number: 273335**

- Rotor type: RA 6/PCR angle PCR strip rotor
- Maximum capacity: 6 x 8 PCR strips
- Maximum tube dimensions: 9 x 22 mm
- Maximum speed: 13,000 rpm
- Maximum centrifugal force: 18,520 rcf
- Radius: 98 mm
- Angle: 48°
- Minimum acceleration time: 22 s
- Minimum braking time: 21 s
- Rotor and Lid Autoclavable: Yes



**24 x 2 mL  
Microcentrifuge Tube  
Rotor with Aerosol Lid**

**Part number: 375944**

- Rotor type: RA 24/2 angle rotor with aerosol tight lid
- Maximum capacity: 24 x 1.5/2.0 mL microcentrifuge tubes - optional 0.2 mL or 0.5 mL adapters for PCR tubes (284351 or 283349)
- Maximum tube dimensions: 11 x 40 mm
- Maximum speed: 15,000 rpm
- Maximum centrifugal force: 21,630 rcf
- Radius: 86 mm
- Angle: 45°
- Minimum acceleration time: 21 s
- Minimum braking time: 21 s
- Rotor and lid autoclavable: yes



**16 x 5 mL  
Microcentrifuge Tube  
Rotor with Aerosol Lid**

**Part number: 403055**

- Rotor type: RA 16/5 angle rotor with aerosol tight lid
- Maximum capacity: 16 x 5.0 mL microcentrifuge tubes
- Maximum tube dimensions: 16.5 x 75 mm
- Maximum speed: 13,000 rpm
- Maximum centrifugal force: 18,520 rcf
- Radius: 98 mm
- Angle: 45°
- Minimum acceleration time: 22 s
- Minimum braking time: 22 s
- Rotor and Lid Autoclavable: Yes



**30 x 2 mL  
Microcentrifuge Tube  
Rotor with Lid**

**Part number: 228451**

- Rotor type: RA 30/2 angle rotor with lid
- Maximum capacity: 30 x 1.5/2.0 mL microcentrifuge tubes - optional 0.2 mL or 0.5 mL adapters for PCR tubes (284351 or 283349)
- Maximum tube dimensions: 11 x 40 mm
- Maximum speed: 13,000 rpm
- Maximum centrifugal force: 18,520 rcf
- Radius: 98 mm
- Angle: 45°
- Minimum acceleration time: 21 s
- Minimum braking time: 21 s
- Rotor and lid autoclavable: yes



**24 x Glass  
Hematocrit Rotor**

**Part number: 246701**

- Rotor type: RH 24 hematocrit rotor with reading device
- Maximum capacity: 24 x glass hematocrit capillary tubes
- Maximum tube dimensions: 1.6 x 75 mm
- Maximum speed: 13,000 rpm
- Maximum centrifugal force: 18,520 rcf
- Radius: 98 mm
- Angle: 90°
- Minimum acceleration time: 20 s
- Minimum braking time: 21 s
- Rotor and lid autoclavable: yes



### 6 x 50 mL Tube Rotor

**Part number:** 448806

- Rotor type: RS 6/50 angle rotor with shields
- Maximum capacity: 6 x 50 ml conical centrifuge tubes or 6 x 15 ml conical centrifuge tubes with adapters a15 (462092)
- Maximum tube dimensions: 30 x 115 mm
- Maximum speed: 6,000 rpm
- Maximum centrifugal force: 4,430 rcf
- Radius: 110 mm
- Angle: 45°
- Minimum acceleration time: 26 s
- Minimum braking time: 27 s
- Rotor and shields autoclavable: yes



### 6 x 12 mL Tube Rotor

**Part number:** 398241

- Rotor type: RS 6/12 swing out rotor with shields
- Maximum capacity: 6 x 12 ml centrifuge tubes
- Maximum tube dimensions: 16 x 105 mm
- Maximum speed: 4,400 rpm
- Maximum centrifugal force: 2,600 rcf
- Radius: 63 mm
- Angle: 90°
- Minimum acceleration time: 26 s
- Minimum braking time: 27 s
- Rotor and shields autoclavable: yes



### 8 x 15 mL Tube Rotor

**Part number:** HMG448807

- Rotor type: RA 8/15 angle rotor with shields
- Maximum capacity: 8 x 15 ml conical centrifuge tubes - optional a5 adapters for tubes with length 75 to 90 mm (450281)
- Maximum tube dimensions: 17 x 120 mm
- Maximum speed: 6,000 rpm
- Maximum centrifugal force: 4,440 rcf
- Radius: 110 mm
- Angle: 40°
- Minimum acceleration time: 26 s
- Minimum braking time: 27 s
- Rotor and shields autoclavable: yes



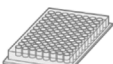
### 2 Place Microtitration Plate Rotor

**Part number:** 429192

- Rotor type: RM 2/2 two place swing out rotor with microtitration buckets
- Maximum capacity: 4 x microtitration plates
- Maximum tube dimensions: 86 x 128 mm
- Maximum speed: 5,700 rpm
- Maximum centrifugal force: 2,380 x rcf
- Radius: 85 mm
- Angle: 90°
- Minimum acceleration time: 27 s
- Minimum braking time: 28 s
- Rotor and lid autoclavable: yes

# Rotor tube compatibility

| Rotor                   | RA 24/2 & 24/2 AERO                                                               |                                                                                   |                                                                                   | RA 30/2                                                                           |                                                                                   |                                                                                   | RA 8/15                                                                             |                                                                                     |                                                                                     | RA 16/5                                                                             |                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Rotor order no.         | <u>228442</u> or <u>375944</u>                                                    |                                                                                   |                                                                                   | <u>228451</u>                                                                     |                                                                                   |                                                                                   | <u>HMG448807</u>                                                                    |                                                                                     |                                                                                     | <u>403055</u>                                                                       |                                                                                     |
| Tube type               | PCR                                                                               | PCR                                                                               | Micro                                                                             | PCR                                                                               | PCR                                                                               | Micro                                                                             | Blood Collection                                                                    |                                                                                     | Conical                                                                             | Micro                                                                               |                                                                                     |
| Tube image              |  |  |  |  |  |  |  |  |  |  |  |
| Nominal vol. (mL)       | 0.2/0.4                                                                           | 0.5                                                                               | 1.5 to 2                                                                          | 0.2/0.4                                                                           | 0.5                                                                               | 1.5 to 2                                                                          | 5                                                                                   | 7 - 10                                                                              | 12-Oct                                                                              | 15                                                                                  | 5                                                                                   |
| Dimensions (mm) (D x L) | 6 x 18                                                                            | 8 x 30                                                                            | 11 x 38                                                                           | 6 x 18                                                                            | 8 x 30                                                                            | 11 x 38                                                                           | 13 x 75                                                                             | 13 x 100                                                                            | 16 x 100                                                                            | 17 x 120                                                                            | 16.5 x 75                                                                           |
| Adapter image           |  |  | -                                                                                 |  |  | -                                                                                 |   | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   |
| Adapter                 | A0.2                                                                              | A0.5                                                                              | -                                                                                 | A0.2                                                                              | A0.5                                                                              | -                                                                                 | A5                                                                                  | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   |
| No. tube/rotor          | 24                                                                                | 24                                                                                | 24                                                                                | 30                                                                                | 30                                                                                | 30                                                                                | 8                                                                                   | 8                                                                                   | 8                                                                                   | 8                                                                                   | 16                                                                                  |
| No. tube/adapter        | 24                                                                                | 24                                                                                | 0                                                                                 | 30                                                                                | 30                                                                                | 0                                                                                 | 8                                                                                   | 0                                                                                   | 0                                                                                   | 0                                                                                   | -                                                                                   |
| Order no.               | 284351                                                                            | 284349                                                                            | -                                                                                 | 284351                                                                            | 284349                                                                            | -                                                                                 | 450281                                                                              | -                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   |

| Rotor                   | RS 6/12                                                                             |                                                                                     |                                                                                     | RA 6/50                                                                             |                                                                                     | RH 24                                                                                 | RA 6/PCR                                                                              | RM 2/3                                                                                |
|-------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Rotor order no.         | <u>398241</u>                                                                       |                                                                                     |                                                                                     | <u>448806</u>                                                                       |                                                                                     | <u>246701</u>                                                                         | <u>273335</u>                                                                         | <u>429192</u>                                                                         |
| Tube type               | Blood Collection                                                                    |                                                                                     |                                                                                     | Conical                                                                             | Conical                                                                             | Capillaries                                                                           | 8-Well PCR Strip                                                                      | Standard MTP                                                                          |
| Tube image              |  |  |  |  |  |  |  |  |
| Nominal vol. (mL)       | 5                                                                                   | 7 - 10                                                                              | 12-Oct                                                                              | 15                                                                                  | 50                                                                                  | 0.075                                                                                 | 0.2                                                                                   | 96 x 350 µL max.                                                                      |
| Dimensions (mm) (D x L) | 13 x 75                                                                             | 13 x 100                                                                            | 16 x 100                                                                            | 17 x 120                                                                            | 30 x 115                                                                            | 1.6 x 75                                                                              | -                                                                                     | 128 x 86 x 15                                                                         |
| Adapter image           | -                                                                                   | -                                                                                   | -                                                                                   |  | -                                                                                   | -                                                                                     | -                                                                                     | -                                                                                     |
| Adapter                 | -                                                                                   | -                                                                                   | -                                                                                   | A15                                                                                 | -                                                                                   | -                                                                                     | -                                                                                     | -                                                                                     |
| No. tube/rotor          | 6                                                                                   | 6                                                                                   | 6                                                                                   | 6                                                                                   | 6                                                                                   | 24                                                                                    | 48                                                                                    | 4                                                                                     |
| No. tube/adapter        | -                                                                                   | -                                                                                   | -                                                                                   | 6                                                                                   | 0                                                                                   | -                                                                                     | -                                                                                     | -                                                                                     |
| Order no.               | -                                                                                   | -                                                                                   | -                                                                                   | 462092                                                                              | -                                                                                   | -                                                                                     | -                                                                                     | -                                                                                     |





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