

# Pro Analytical Floor Centrifuge

Clinical, Laboratory & Research Applications



# Introducing Hawksley & Sons

Continuing the proud legacy of British centrifuge manufacturing, Hawksley is now the official manufacturer of Centurion Scientific centrifuges.

Founded in 1869, Hawksley has supplied British laboratories with trusted medical equipment and consumables for over 150 years. In an industry dominated by multinational corporations, we are proud to remain a small, independent business - committed to craftsmanship, service, and long-term reliability.

Across seven generations, Hawksley & Sons has pioneered new technologies, contributed to global medical device innovation, and supported scientists, surgeons, and medical professionals around the world. Our mission is simple and enduring: to deliver quality, reliability, and innovation across our three core specialisms - centrifugation, andrology & fertility, and laboratory glassware and counting chambers.

We have been manufacturing centrifuges since the 1950s, with iconic models such as the Haematospin 1400 and the Vetspin Duo remaining widely used and trusted today. With more than 80 years of centrifugation expertise passed down through generations, we are excited to carry forward - and elevate - the Centurion name.



# Welcome to the Floor Standing Centrifuge Range

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## Pro Analytical Centrifuge Features

The Pro-Analytical range is a collection of sleek and durable centrifuges that fit into any laboratory or clinical setting. These machines are made with premium components and are constructed to the highest standard, all from our UK manufacturing facility. All Centurion centrifuges come with a 2-year warranty.

Centurion Scientific Ltd Centrifuges comply to all relevant EU standards of quality and medical devices IEC 61010 and CE conformity test marks emission, immunity to EN/IEC 61326-1, Class B.

| User features                                  | Advantages                            |
|------------------------------------------------|---------------------------------------|
| Rotor recognition                              | Safe selection of rotors              |
| 10 acceleration rates & 10 deceleration rates  | Sample assistance                     |
| 99 program memory                              | Multi department & Users              |
| Timer 0-9 Hours & Hold in 30 second increments | Total flexibility                     |
| Pulse short run                                | Fast pelleting                        |
| Run in speed (RPM) or RCF (g) in 10 increments | Accuracy                              |
| Orientation acceleration rate                  | Prevents initial sample side deposits |
| Sound <60db (rotor dependent)                  | Quiet                                 |

| Standard Features                       | Advantages                     |
|-----------------------------------------|--------------------------------|
| Extra thick stainless steel bowl        | Easy clean & rust free         |
| Port to lid                             | Tachometer speed certification |
| Aluminium sides and Steel Barrier ring  | Strong, light & quiet          |
| World leading industrial grade inverter | Reliability & strength         |
| Best quality European brushless motor   | Quiet, cool & reliable         |
| High technology airflow                 | Cooler running                 |



CE marked and ISO 9001

Centurion Scientific centrifuges are engineered to meet the highest safety standards. Each unit incorporates critical features such as a double-lid locking system and automatic imbalance detection, ensuring reliable performance and consistent sample integrity across every use.

| Safety Features         | Advantages                   |
|-------------------------|------------------------------|
| Multi point lid locking | Lid safety                   |
| Emergency lid release   | Power failure release        |
| Lid spring strut        | Lid dropping safety          |
| Imbalance detection     | To run, lid must be shut     |
| Overspeed sensor        | Safe detection of speed      |
| Set inverter values     | Electronic safety of speed   |
| Barrier ring            | Safety protection of chamber |
| Motor overheat sensor   | Safe motor protection        |

## Key Features



High stability  
with RCF and  
RPM



Digital  
Display &  
LCD



Long-lasting and  
maintenance-free with  
brushless motor  
technology



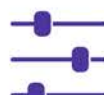
Rotor  
versatility for  
any program



Quiet run  
(under 60db)



Always safe with  
imbalance  
detection



10 RPM/RCF  
precision



Orientation  
acceleration  
rate



Multi point lid  
locking



99 program  
memory



CE marked and ISO 9001

## LED vs LCD Screens

Centurion centrifuges are available with two display options, LED and LCD, allowing you to choose the interface that best suits your laboratory needs.

### LED Screen

The LED displays provide a bright, high-contrast readout for quick and clear visibility of essential operating parameters. They offer simple, reliable control of speed, time, and temperature, with low power consumption and long-term durability. This makes the LED option ideal for routine, everyday centrifugation tasks.



### LCD Screen

The LCD option features a modern touchscreen interface, offering intuitive navigation and the ability to view multiple parameters at once. This display includes additional functionality, allowing more precise control based on relative centrifugal force over time. With a wide viewing angle and responsive touch operation, the LCD screen is well suited to applications requiring higher accuracy, flexibility, and more advanced programming. See overleaf for further information



## LCD Touchscreen Features

### $\omega^2t$ (W2t) Centrifugation.

The term  $\omega^2t$  (W2t) centrifugation refers to the use of a built-in integrator in a centrifuge that calculates the accumulated centrifugal effect during a run, allowing for highly reproducible separations across different machines or runs. This method is standard in ultracentrifuges and available in some high-end research centrifuges.

## Understanding the Concept

- $\omega$  (omega) represents the angular velocity (rotor speed in radians per second), and  $t$  represents the run time.
- The  $\omega^2t$  integrator calculates the integral of the squared rotor speed over time, resulting in a single value representing the total centrifugal force applied to the sample.
- This is a significant advantage because it allows the run time to be automatically adjusted to compensate for any variations in rotor speed, ensuring the sample receives the exact same separation force in every run, even if the centrifuge takes slightly longer to reach speed or experiences minor fluctuations.
- The units of  $\omega^2t$  are typically radians squared per second ( $\text{rad}^2/\text{s}$ ), and the values are large, often in the order of millions or billions, displayed in exponential notation.

## Use in Research and Industry

W2t control is a valuable feature, particularly in sensitive research, pharmaceutical, and clinical applications where precise and consistent results are paramount. While many standard centrifuges operate using user-defined speed (RPM or RCF/G-force) and time, W2t control offers superior reliability for achieving identical pelleting or separation results time after time.

Centurion's LCD centrifuges utilise this methodology, naming it RCFt.

RCFt displayed on  
touchscreen



## Refrigerated Models - Guaranteed Control

Accurate cooling using less power.

Alongside our ambient models, Centurion offers an extensive range of refrigerated centrifuges, designed to deliver optimal temperature control. Each unit provides a PID controlled temperature range of  $-10^{\circ}\text{C}$  to  $40^{\circ}\text{C}$ , accurate to  $\pm 1^{\circ}\text{C}$ , ensuring exceptional stability and superior control compared with alternative systems.

### How?

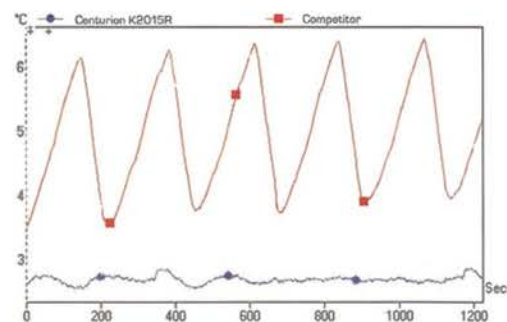
Centurion Scientific keep the compressor running constantly, a unique method which increases compressor life and drastically reduces power use. Constantly turning a compressor on and off causes unequal power surges, and results in poor temperature control.

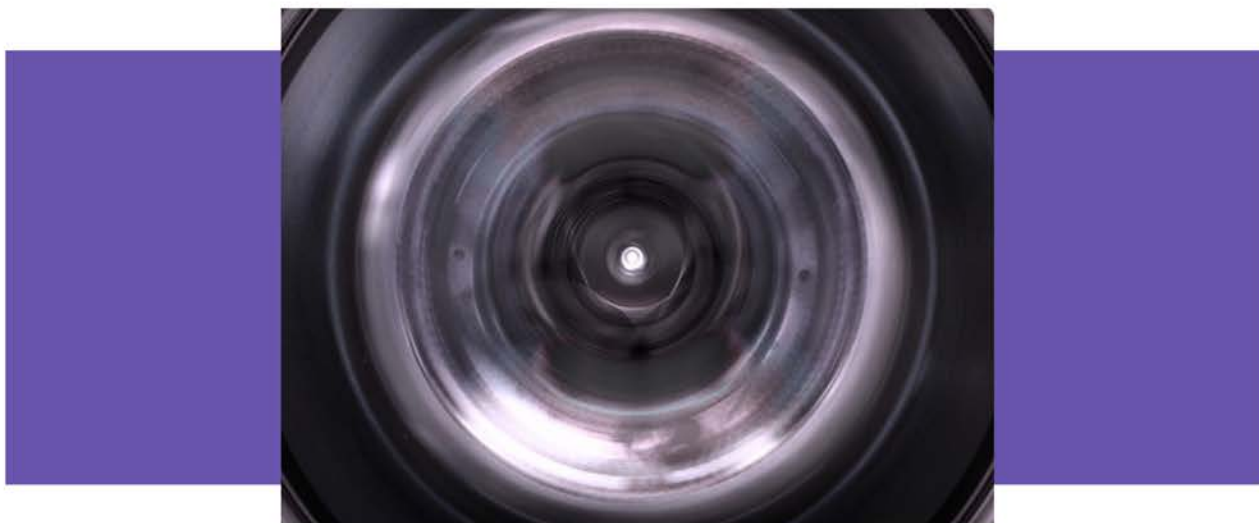
### Why?

When taking a shower, you wouldn't stand in cold water, and then hot water to regulate the temperature. Instead, you use both hot and cold to get the right temperature. We apply this theory to refrigerated centrifugation. By using both hot and cold simultaneously, we easily 'balance' the set temperature.

### Pro

The graph here displays the differences between two compressor types. Centurion is set at  $3^{\circ}\text{C}$  and the competitor at  $4^{\circ}\text{C}$  to differentiate between the data. As you can clearly see, our system has a much higher degree of control and consistency than the other.





## Servicing & Centrifuge Care

Why does my centrifuge need servicing?

A yearly service validates your warranty. As with any appliance you purchase, servicing extends the lifetime of the product and negates the need for constant replacements, which in turn saves you money.

We appreciate that a centrifuge is an essential component of a laboratory, and that downtime is therefore not acceptable. However, if it is regularly maintained, you extend its life significantly.

For products sold outside of the UK, all our distributors have received training and authority to service our centrifuges. Centrifuges can be dangerous. Although Centurion Scientific manufacture exceptionally safe machines, if a rotor lid or seals are not replaced regularly, this can lead to breakage and severe damage further down the line. Servicing of our Centrifuges is also a requirement to validate your warranty with authorised distributors and Centurion to be used only.

Please be sure to contact the sales team for servicing pricing and further information.

[Service & Support Page](#)

## LED FLOOR CENTRIFUGES TO 4L

Centurion's Floor-Standing Centrifuges are the largest in the Pro-Analytical series, accommodating up to 4 L of samples. Rotors are purchased separately, providing full flexibility to analyse a wide range of sample sizes.



### Floor LED Ambient Centrifuge

|             |                           |
|-------------|---------------------------|
| RPM         | 15,000 RPM (10 RPM steps) |
| RCF         | 10 - 22,000               |
| Timer       | 0-9hours (30sec steps)    |
| Dims WxDxH  | 575 x 665 x 875mm         |
| Weight      | 135kg (without rotor)     |
| Power       | 1200 Watts                |
| Memory      | 99 programs               |
| Accel rates | 10 programs               |
| Decel Rates | 10 programs               |

#### PART NUMBERS Ambient LED Centrifuge

C-FLOOR 230V 50/60Hz. (previously CFS4)  
 C-1.FLOOR 110V 50/60Hz (previously 1.CFS4)  
 Alternative plug types available.



### Floor LED Refrigerated Centrifuge

|             |                                          |
|-------------|------------------------------------------|
| RPM         | 15,000 RPM (10 RPM steps)                |
| RCF         | 10 - 22,000                              |
| Timer       | 0-9 hours (30 sec steps)                 |
| Dims WxDxH  | 575 x 665 x 875mm                        |
| Weight      | 197Kg (without rotor)                    |
| Power       | 1200 Watts                               |
| Memory      | 99 programs                              |
| Accel Rates | 10 programs                              |
| Decel Rates | 10 programs                              |
| Temp. Range | -10°C to +40°C PID Controlled to +/- 1°C |

#### PART NUMBERS Refrigerated LED Centrifuge

C-FLOOR.R 230V 50/60Hz. (previously CFS4R.)  
 C-1.FLOOR.R 110V 60Hz (previously 1.CFS4R)  
 Alternative plug types available.

## LCD FLOOR CENTRIFUGES TO 4L

Centurion also offers the floor standing centrifuge with an LCD touchscreen, accommodating up to 4 L of samples. Rotors are purchased separately, providing full flexibility to analyse a wide range of sample sizes.



### Floor LCD Ambient Centrifuge

|             |                                |
|-------------|--------------------------------|
| RPM         | 15,000 RPM max (10 RPM steps)  |
| RCF         | 10 – 22,000                    |
| Timer       | 0-9 hours & hold (30sec steps) |
| Dims WxDxH  | 575 x 665 x 875mm              |
| Weight      | 135kg (without rotor)          |
| Power       | 1200 Watts                     |
| Memory      | 99 programs                    |
| Accel rates | 10 programs                    |
| Decel Rates | 10 programs                    |

#### PART NUMBERS Ambient Centrifuge

C-FLOOR-LCD 230V 50/60Hz. (previously K2FS)  
 C-1.FLOOR-LCD 110V 50/60Hz (previously 1.K2FS)  
 Alternative plug types available.



### Floor LCD Refrigerated Centrifuge

|             |                                          |
|-------------|------------------------------------------|
| RPM         | 15,000 RPM (10 RPM steps)                |
| RCF         | 10 – 22,000                              |
| Timer       | 0-9 hours & Hold (30 sec steps)          |
| Dims WxDxH  | 575 x 665 x 875mm                        |
| Weight      | 197Kg (without rotor)                    |
| Power       | 1200 Watts                               |
| Memory      | 99 programs                              |
| Accel Rates | 10 programs                              |
| Decel Rates | 10 programs                              |
| Temp. Range | -10°C to +40°C PID Controlled to +/- 1°C |

#### PART NUMBERS Refrigerated Centrifuge

C-FLOOR.R-LCD 230V 50/60Hz. (previously K2FS4R)  
 C-1.FLOOR.R-LCD 110V 60Hz. (previously 1.K2FS4R)  
 Alternative plug types available.

## MICROTUBE ROTORS

The Microtube Rotors are designed for the centrifugation of smaller sample sizes ranging from 0.5 ml to 2 ml, as well as PCR strips. They offer a maximum speed of 22,000 RCF, programmable in 10 RCF increments for precise control.



*C-R-FA5424 rotor with included sealed lid.*



*C-R-FA5424 rotor without included lid.*

| Rotor                    | C-R-FA5424 | C-R-FA5436 | C-R-FA5448        | C-R-FA5494     |
|--------------------------|------------|------------|-------------------|----------------|
| Rotor Type               | 24 x 2.0ml | 36 x 0.5ml | 48 x 0.2 to 0.4ml | 4 x PCR Strips |
| Tube Size                | 11 x 40mm  | 8 x 30mm   | 6 x 40mm          | 6 x 40mm       |
| RCF Range (g)            | 10-22,000  | 10 -22,000 | 10 -22,000        | 10-22,000      |
| Maximum RPM              | 15,000     | 15,000     | 15,000            | 15,000         |
| Max Radius (cms)         | 8.75cms    | 8.75cms    | 8.75cms           | 8.75cms        |
| Sample Tube Angle °      | 45         | 45         | 45                | 45             |
| Acceleration Time (secs) | 15         | 15         | 15                | 15             |
| Deceleration Time (secs) | 15         | 15         | 15                | 15             |
| Min Temp @ Max Speed     | 4°C        | 4°C        | 4°C               | 4°C            |
| Reducers Available       | RS04, RS05 | N/A        | N/A               | N/A            |
| Sealed Lid Included?     | Yes        | Yes        | Yes               | Yes            |
| Spare Lid Part No.       | C-RL-1440  | C-RL-1440  | C-RL-1440         | C-RL-1440      |
| Autoclavable (frequency) | 121°C (10) | 121°C (10) | 121°C (10)        | 121°C (10)     |

| Reducers - Pack of 4 | C-RC-RS04 | C-RC-RS05 |
|----------------------|-----------|-----------|
| Capacity (ml):       | 0.2-0.4ml | 0.5ml     |
| Tube Size Max:       | 6 x 30mm  | 8 x 30mm  |

## MICROTUBE ROTORS - HIGH CAPACITY

The High-Capacity Microtube Rotors are designed for users who need to centrifuge 0.5 ml, 2.2ml and PCR strips at increased volume. They offer a maximum speed of 10,500 RCF, programmable in 10 RCF increments for precise control.



*C-R-FA5348 rotor with included sealed lid.*



*C-R-FA5348 rotor without included lid.*

| Rotor                    | C-R-FA5348 | C-R-FA5349            | C-R-FA5398     |
|--------------------------|------------|-----------------------|----------------|
| Rotor Type               | 48 x 2.2ml | 24 x 2.2 & 24 x 0.5ml | 8 x PCR Strips |
| Tube Size Max            | 11 x 40mm  | 11x50 & 6x30mm        | 6 x 40mm       |
| RCF Range (g)            | 10-10,500  | 10-10,500             | 10-10,500      |
| Maximum RPM              | 10,000     | 10,000                | 10,000         |
| Max Radius (cms)         | 9.45cms    | 9.45cms               | 9.45cms        |
| Sample Tube Angle °      | 45         | 45                    | 45             |
| Acceleration Time (secs) | 30         | 30                    | 30             |
| Deceleration Time (secs) | 45         | 45                    | 45             |
| Min. Temp @ Max Speed    | 0°C        | 0°C                   | 0°C            |
| Sealed Lid Included?     | Yes        | Yes                   | Yes            |
| Spare Lid Part No.       | C-RL-1720  | C-RL-1720             | C-RL-1720      |
| Autoclavable (frequency) | 121°C (10) | 121°C (10)            | 121°C (10)     |

## 4 PLACE SWING OUT ROTOR

For larger-volume samples where cell viability is critical, Centurion recommends the four-place swing-out rotor, which accommodates 4 × 1,000 ml tubes, depending on the buckets required, with a maximum total capacity of 4L.



C-R-SO3000 rotor with C-B-4001 buckets sold separately.



C-B-4001 buckets with optional lids C-BL-B5319 sold separately.

### C-R-SO3000

|                      |                 |
|----------------------|-----------------|
| Historic Part Number | BRK3000         |
| Capacity (Options)   | 4L Max Capacity |
| Max RPM              | 4000 RPM        |

### Buckets

|            |                      |
|------------|----------------------|
| C-B-4001   | 4 x 1000ml buckets   |
| C-BL-B5319 | Optional sealed lids |

| Rotor/Bucket             | C-R-SO3000 + C-B-4001 |
|--------------------------|-----------------------|
| Tube Size Max            | 98 x 180mm            |
| RCF Range (g)            | 10-4500               |
| Maximum RPM              | 4000                  |
| Max Radius (cm)          | 22.5                  |
| Sample Tube Angle °      | 0                     |
| Acceleration Time (secs) | 40                    |
| Deceleration Time (secs) | 40                    |
| Min. Temp @ Max Speed    | 4°C                   |
| Sealed Lid Included?     | No                    |
| Spare Lid Part No.       | C-BL-B5319            |
| Autoclavable (frequency) | 121°C (10)            |

The four-place swing-out rotor has an extensive range of adaptors available for both buckets, depending on your size and shape requirements. Please refer to the following two pages to select the most suitable adaptors for your needs.

## ADAPTORS FOR BUCKETS C-B-4001

### Tube Type: Micro with Cap. Shape: Point

| Capacity | Size. mm | Part Number | Historic Part Number | Tubes per Rotor |
|----------|----------|-------------|----------------------|-----------------|
| 0.5ml    | 8 x 20   | C-A-AM805-4 | AM805-4              | 288             |
| 1.5ml    | 11 x 38  | C-A-AM820-4 | AM820-4              | 184             |
| 2.0ml    | 11 x 38  | C-A-AM820-4 | AM820-4              | 184             |
| 0.2ml    | 6 x 20   | C-A-AM802-4 | AM802-4              | 336             |
| 0.4ml    | 6 x 30   | C-A-AM804-4 | AM804-4              | 336             |

### Tube Type: Plain no Cap. Shape: Round

|        |          |              |          |     |
|--------|----------|--------------|----------|-----|
| 1ml    | 6 x 45   | C-A-AR801-4  | AR801-4  | 172 |
| 3ml    | 10 x 60  | C-A-AR803-4  | AR803-4  | 96  |
| 5ml    | 12 x 75  | C-A-AR805-4  | AR805-4  | 96  |
| 6ml    | 12 x 82  | C-A-AR806-4  | AR806-4  | 96  |
| 7ml    | 12 x 100 | C-A-AR807-4  | AR807-4  | 96  |
| 9/10ml | 14 x 100 | C-A-AR809-4  | AR809-4  | 84  |
| 15ml   | 17 x 100 | C-A-AR815-4  | AR815-4  | 48  |
| 25ml   | 24 x 100 | C-A-AR825-4  | AR825-4  | 28  |
| 50ml   | 34 x 100 | C-A-AR850-4  | AR850-4  | 16  |
| 100ml  | 45 x 100 | C-A-AR8100-4 | AR8100-4 | 8   |
| 150ml  | 52 x 100 | C-A-AR8150-4 | AR8150-4 | 4   |
| 250ml  | 62 x 100 | C-A-AR8250-4 | AR8250-4 | 4   |



### Tube Type: Falcon with Cap. Shape: Point

|       |          |              |          |    |
|-------|----------|--------------|----------|----|
| 15ml  | 17 x 120 | C-A-AF815-4  | AF815-4  | 36 |
| 50ml  | 29 x 115 | C-A-AF850-4  | AF850-4  | 24 |
| 175ml | 61 x 118 | C-A-AF8175-4 | AF8175-4 | 4  |

### Tube Type: Falcon with Cap. Shape: Square

|      |          |              |          |    |
|------|----------|--------------|----------|----|
| 12ml | 17 x 100 | C-A-AFS812-4 | AFS812-4 | 48 |
| 15ml | 17 x 120 | C-A-AFS815-4 | AFS815-4 | 48 |
| 25ml | 25 x 90  | C-A-AFS825-4 | AFS825-4 | 28 |
| 30ml | 25 x 110 | C-A-AFS830-4 | AFS830-4 | 28 |
| 50ml | 29 x 115 | C-A-AFS850-4 | AFS850-4 | 24 |



### Tube Type: Corning with Cap. Shape: Point

|       |          |              |          |   |
|-------|----------|--------------|----------|---|
| 250ml | 60 x 165 | C-A-AF8250-4 | AF8250-4 | 4 |
| 500ml | 96 x 148 | C-A-AF8500-4 | AF8500-4 | 4 |

### Tube Type: Nalgene. Oakridge with Cap. Shape: Round

|       |          |               |           |    |
|-------|----------|---------------|-----------|----|
| 10ml  | 15 x 80  | C-A-ANO810-4  | ANO810-4  | 64 |
| 30ml  | 26 x 95  | C-A-ANO830-4  | ANO830-4  | 28 |
| 50ml  | 29 x 107 | C-A-ANO850-4  | ANO850-4  | 24 |
| 100ml | 38 x 106 | C-A-ANO8100-4 | ANO8100-4 | 12 |
| 250ml | 62 x 133 | C-A-ANO8250-4 | ANO8250-4 | 4  |

### Tube Type: Herolab with Cap. Shape: Square

|       |           |               |           |          |
|-------|-----------|---------------|-----------|----------|
| 250ml | 62 x 122  | C-A-ANO8252-4 | ANO8252-4 | 4        |
| 500ml | 98 x 114  | C-A-AH2695R   | AH2695R   | 4 No Lid |
| 750ml | 98 x 136  | C-A-AH2695R   | AH2695R   | 4 No Lid |
| 950ml | 100 x 155 | C-A-AH2695R   | AH2695R   | 4 No Lid |

### Tube Type: Monovette. Shape: Square

|           |          |             |         |     |
|-----------|----------|-------------|---------|-----|
| 1.1-1.4ml | 8 x 82   | C-A-AM801-4 | AM801-4 | 112 |
| 2.7-3ml   | 11 x 82  | C-A-AM803-4 | AM803-4 | 76  |
| 2.6-2.9ml | 13 x 81  | C-A-AM829-4 | AM829-4 | 76  |
| 4.5-5ml   | 11 x 108 | C-A-AM845-4 | AM845-4 | 76  |
| 7.5-8.2ml | 13 x 106 | C-A-AM879-4 | AM879-4 | 76  |
| 4.5-5ml   | 15 x 92  | C-A-AM850-4 | AM850-4 | 64  |
| 9-10ml    | 16 x 108 | C-A-AM890-4 | AM890-4 | 64  |

### Tube type: Vacutainer. Shape: Round & Vacuette

|          |          |             |         |    |
|----------|----------|-------------|---------|----|
| 1.6-5ml  | 13 x 82  | C-A-AV816-4 | AV816-4 | 76 |
| 4-7ml    | 13 x 106 | C-A-AV850-4 | AV850-4 | 76 |
| 7-9ml    | 15 x 92  | C-A-AV870-4 | AV870-4 | 64 |
| 8.5-10ml | 16 x 108 | C-A-AV880-4 | AV880-4 | 64 |

## HIGH VOLUME FIXED ANGLE ROTOR

For high-volume samples, Centurion offers the six-place fixed-angle rotor for the Floor Centrifuges. It can hold up to 6 × 250 ml tubes, with a maximum RCF of 16,100.



C-R-FA5256 rotor, no lid available

| Rotor                    | C-R-FA5256                             |
|--------------------------|----------------------------------------|
| Rotor Type               | 6 x 250ml                              |
| Tube Size Max            | 62 x 130mm                             |
| RCF Range (g)            | 10-16,100                              |
| Maximum RPM              | 10,000                                 |
| Max Radius (cm)          | 14.4                                   |
| Sample Tube Angle °      | 30                                     |
| Acceleration Time (secs) | 90                                     |
| Deceleration Time (secs) | 180                                    |
| Min. Temp @ Max Speed    | 4°C                                    |
| Reducers Available       | RM05, RM10, RM15, RM25, RM50, RM85-100 |
| Autoclavable (frequency) | 121°C (10)                             |

| Reducers       | C-RC-RM05 | C-RC-RM10  | C-RC-RM15  | C-RC-RM25  |
|----------------|-----------|------------|------------|------------|
| Capacity (ml): | 5ml       | 10ml       | 15ml       | 25ml       |
| Tube Size Max: | 13 x 80mm | 14 x 100mm | 17 x 100mm | 24 x 100mm |

| Reducers       | C-RC-RM50  | C-RC-RM85 -100 |
|----------------|------------|----------------|
| Capacity (ml): | 50ml       | 85-100ml       |
| Tube Size Max: | 30 x 110mm | 39 x 110mm     |

## HIGH SPEED FIXED ANGLE ROTORS

Centurion offers three high-speed fixed-angle rotors for the Floor Centrifuges, available for 15 ml, 50 ml, and 100 ml sample sizes. All rotors have a maximum speed of 13,400 RCF, or 10,000 RPM.



*C-R-FA5224 rotor with included sealed lid.*



*C-R-FA5224 rotor without included sealed lid.*

| Rotor                    | C-R-FA5224 | C-R-FA5208 | C-R-FA5210 |
|--------------------------|------------|------------|------------|
| Rotor Type               | 24 x 15ml  | 8 x 50ml   | 6x 100ml   |
| Tube size max            | 17 x 120mm | 30 x 120mm | 38 x 125mm |
| RCF Range (g)            | 10-13,400  | 10-13,400  | 10-13,400  |
| Maximum RPM              | 10,000     | 10,000     | 10,000     |
| Max Radius (cm)          | 12         | 8.5        | 12         |
| Sample tube angle °      | 30         | 60         | 30         |
| Acceleration time (secs) | 70         | 180        | 70         |
| Deceleration time (secs) | 130        | 25         | 130        |
| Min. Temp @ Max Speed    | 4°C        | 4°C        | 4°C        |
| Reducers Available       | RM10, RM15 | RM15, RM25 | RM50       |
| Sealed Lid Included?     | Yes        | Yes        | Yes        |
| Spare Lid Part No.       | C-RL-1720  | C-RL-1720  | C-RL-1720  |
| Autoclavable (frequency) | 121°C (10) | 121°C (10) | 121°C (10) |

| Reducers       | C-RC-RM10  | C-RC-RM15  | C-RC-RM25  | C-RC-RM50  |
|----------------|------------|------------|------------|------------|
| Capacity (ml): | 10ml       | 15ml       | 25ml       | 50ml       |
| Tube Size Max: | 14 x 100mm | 17 x 100mm | 24 x 100mm | 30 x 110mm |

## LOW SPEED FIXED ANGLE ROTORS

Centurion offers three low-speed fixed-angle rotors for the Floor Centrifuges, available for 15 ml, 50 ml, or 100 ml sample sizes. All rotors can centrifuge up to 4,800 RCF, or 6,000 RPM.



*C-R-FA5324 rotor with included sealed lid.*



*C-R-FA5324 rotor without included sealed lid.*

| Rotor                    | C-R-FA5324 | C-R-FA5308 | C-R-FA5100 |
|--------------------------|------------|------------|------------|
| Rotor Type               | 24 x 15ml  | 8 x 50ml   | 6 x 100ml  |
| Tube Size Max            | 17 x 120mm | 30 x 120mm | 38 x 125mm |
| RCF Range (g)            | 10-4,800   | 10-4,800   | 10-4,800   |
| Maximum RPM              | 6000       | 6000       | 6000       |
| Max Radius (cm)          | 12         | 12         | 12         |
| Sample Tube Angle °      | 30         | 30         | 30         |
| Acceleration time (secs) | 30         | 30         | 30         |
| Deceleration time (secs) | 35         | 35         | 35         |
| Min. Temp @ Max Speed    | 0°C        | 0°C        | 0°C        |
| Available Reducers       | RM05, RM10 | RM15, RM25 | RM50       |
| Sealed Lid Included?     | Yes        | Yes        | es         |
| Spare Lid Part No.       | C-RL-1720  | C-RL-1720  | C-RL-1720  |
| Autoclavable (frequency) | 121°C (10) | 121°C (10) | 121°C (10) |

| Reducers       | C-RC-RM05 | C-RC-RM10  | C-RC-RM15  | C-RC-RM25  | C-RC-RM50  |
|----------------|-----------|------------|------------|------------|------------|
| Capacity (ml): | 5ml       | 10ml       | 15ml       | 25ml       | 50ml       |
| Tube Size Max: | 13 x 80mm | 14 x 100mm | 17 x 100mm | 24 x 100mm | 30 x 110mm |



## MICROTITER PLATE ROTOR

The Microtiter Rotor is a high-performance rotor for microplate centrifugation, ideal for ELISA, PCR, and other assay workflows. It offers rapid spin-down, low vibration, and secure plate clamping for reliable results, while its robust, corrosion-resistant construction ensures long-lasting, safe use in busy laboratories.



*C-R-MT5540 with included buckets.*

| Rotor                    | C-R-MT5540                                           |
|--------------------------|------------------------------------------------------|
| Buckets                  | Complete with buckets, Available with 4 x STD Plates |
| Tube Size                | 85mm x 128mm                                         |
| RCF Range (g)            | 10-2500                                              |
| Maximum RPM              | 3500                                                 |
| Radius Max (cms)         | 14                                                   |
| Sample Tube Angle °      | 0°C (10)                                             |
| Acceleration Time (secs) | 30                                                   |
| Deceleration Time (secs) | 30                                                   |
| Min. Temp @ Max Speed    | 0°C                                                  |
| Autoclavable (frequency) | 121°C (10)                                           |

## FLOOR AMBIENT CENTRIFUGE DIMENSIONS

LED AND LCD SCREENS AVAILABLE



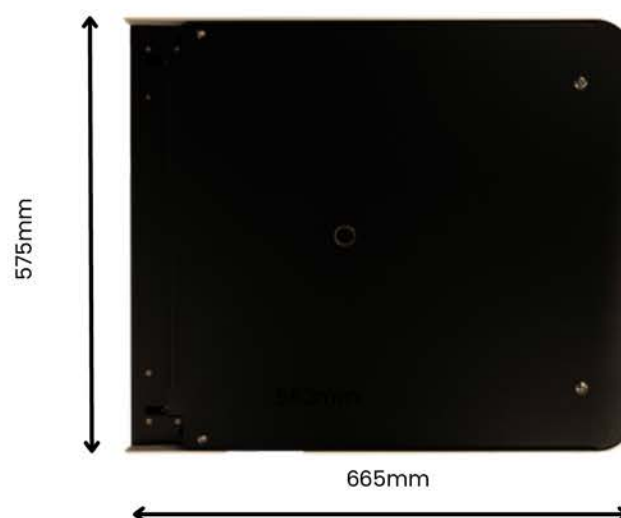
Front View



Side View



Rear View



Top View

## FLOOR REFRIGERATED CENTRIFUGE DIMENSIONS

LED AND LCD SCREENS AVAILABLE



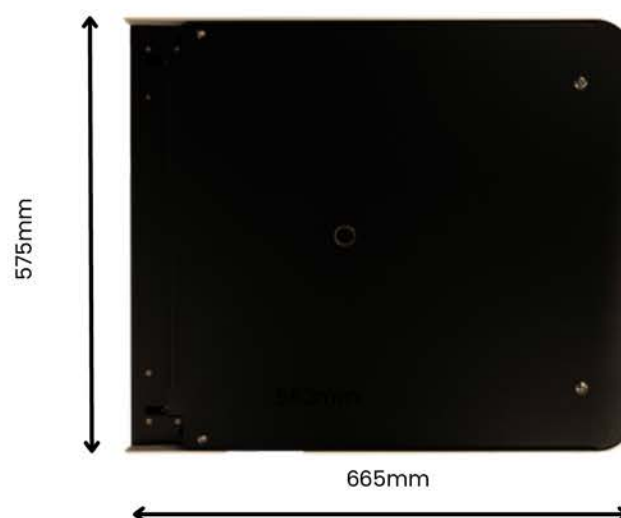
Front View



Side View

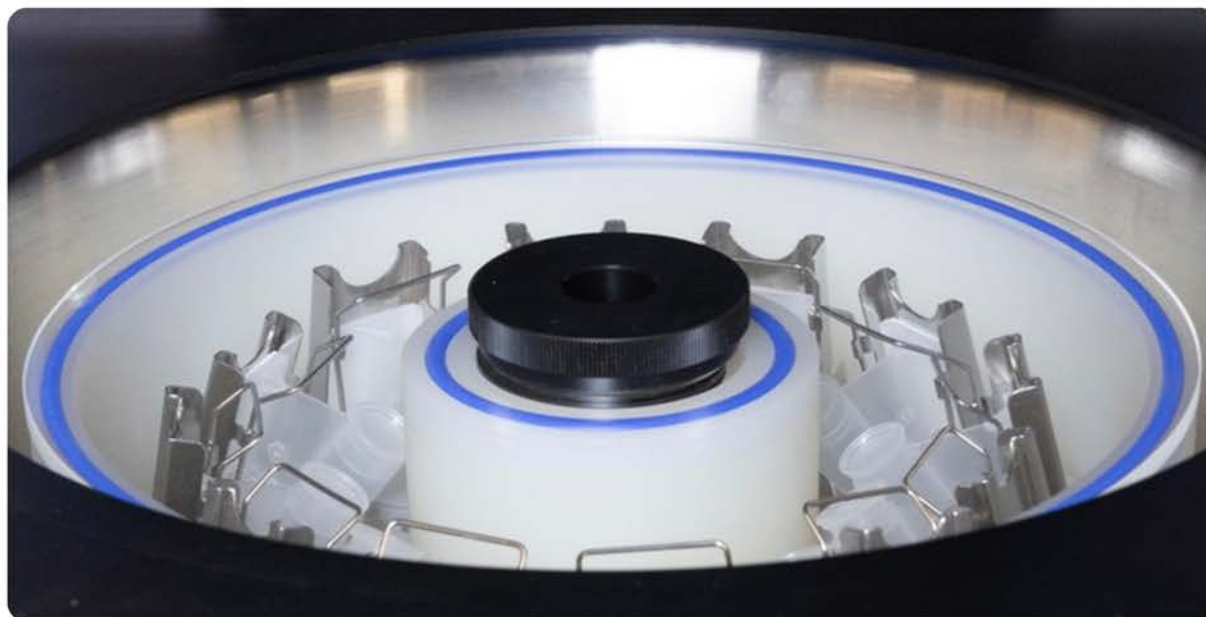


Rear View



Top View

## Cytology & Other Rotor Options



Centurion Scientific also offer a separate comprehensive range of other centrifuges and rotors designed for specialist applications – including Cytology – ensuring consistent, high-quality results across diverse laboratory environments.

## Cytology Features

- Specialist 4, 6 and 8-place cytology rotors
- Available in Micro and Small sizes
- 10–530 RCF in 10-step increments
- Range of sample holder accessories
- Starter pack included with purchase
- World leading industrial grade inverter



## Centurion Series Available

Discover the complete range of Centurion centrifuges on our website, where you'll find every series presented including technical specifications and rotor options. For dedicated Cytology products, including specialist rotors, sample holders, and starter packs, please visit the link below:

[Cytology Centrifuges](#)



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