

# Pro Oil Test Centrifuge Range

Petroleum, Environmental & Industrial Laboratories



**Issue 1.2026**

# 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 Pro Oil Test Range

Introduction

4-7

Benchtop Oil Centrifuge

8-10

Floor Standing Oil Centrifuge

11-14

CE marked and ISO 9001 regulated

Centurion Scientific Ltd Centrifuges comply to all relevant EU standards of quality and medical devices IEC61010 and CE conformity test marks emission, immunity to EN/IEC 61326-1, Class B

## Pro-Oil Test Centrifuge Features

The Pro-Oil Test range is a collection of sleek and durable centrifuges designed for use with ASTM procedures. These premium machines are temperature controlled up to 60°C, with a safety barrier ring and a strong vent system for safe exhaust included. All Centurion Centrifuges are made with supreme components, come with a two year warranty and are constructed to the highest standard, all from our UK manufacturing facility.

The Pro-Oil Test centrifuges are compatible with the following methodologies: ASTM D1290, ASTM D1796, ASTM D1966, ASTM D2273, ASTM D2709, ASTM D2711, ASTM D4007, ASTM D5546, ASTM D893, ASTM D91, ASTM D96FTM 791, Methods 3000, 3003, 3004,, 3101, 3121,5661. API 2542, 2548. ISO 3734, ISO 9030 DIN 51793 NF M 07-020



CE marked and ISO 9001





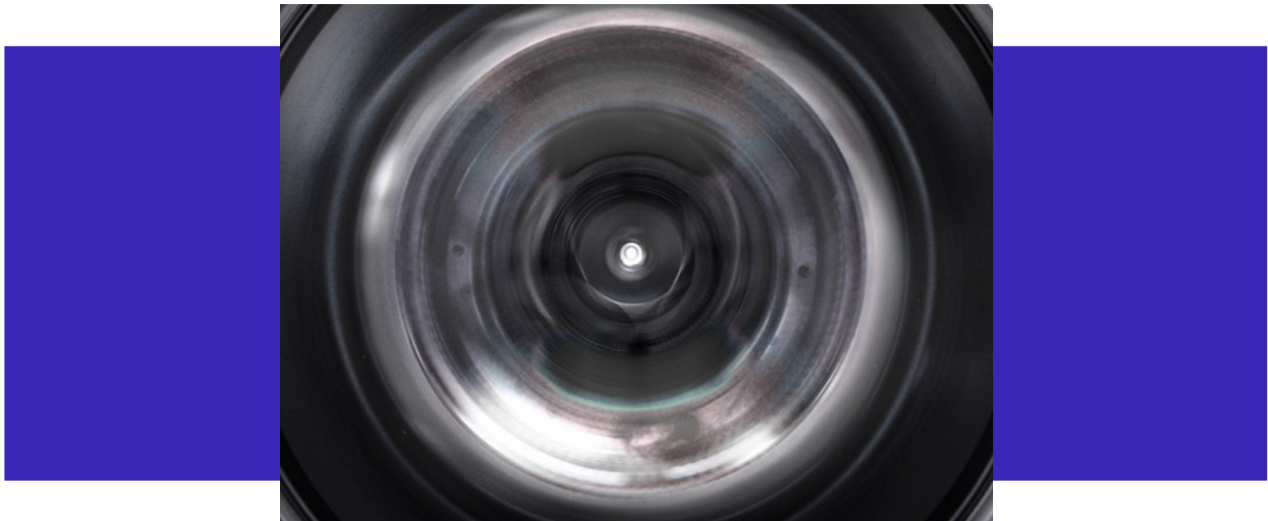
## Pro Oil Test Centrifuge Features

The Centurion Oil-Test range is a collection of premium quality industrial centrifuges developed from years of extensive research. The latest range uses a new swing-out rotor that allows both long and short capped tubes to be used. Supports have been designed to enclose the tube for easy removal in the case of breakage. We have also incorporated standby heating as a standard – which shuts off if the lid is opened. Alongside this and other safety features, the newest designs use light-weight alloys and composites for a corrosion resistant superior alternative to plastic, for a longer shelf life than industry competitors.

| User features                                  | Advantages                            |
|------------------------------------------------|---------------------------------------|
| Rotor recognition                              | Safe selection of rotors              |
| Bright red LED display                         | Clarity & Ease of Use                 |
| 10 acceleration rates & 10 deceleration rates  | Sample assistance                     |
| 99 program memory                              | Multi department & Users              |
| Timer 0-99 mins & 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 & barrier ring steel frame | Strong, light & quiet          |
| World leading industrial grade inverter    | Reliability & strength         |
| Best quality European brushless motor      | Quiet, cool & reliable         |
| High technology airflow                    | Cooler running                 |

| Safety Features         | Advantages                     |
|-------------------------|--------------------------------|
| Multi Point Lid Locking | Lid Safety                     |
| Emergency lid release   | Power failure release          |
| Lid Spring.strut        | Strut lid dropping safety      |
| Lid lock detection      | To run, lid must be shut       |
| Imbalance detection     | Eradicates user loading errors |
| Overspeed sensor        | Safe detection of speed        |
| Set inverter values     | Electronic safety of speed     |
| Barrier ring            | Extra metal detection          |



## **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](#)



# Heated Centrifuges

## Accurate Heating & Oil Analysis

Oil test centrifugation is an essential tool in evaluating oil condition, contamination levels and performance characteristics. By combining controlled thermal conditioning with high-speed centrifugal separation, these systems enable accurate and repeatable oil analysis in accordance with recognised laboratory and industry practices.

## Oil Test Heating System

Centurion uses a tried and tested system of a 'corset' heater enclosure over the bowl area. The temperature is monitored by a separate K series probe and information is sent back to the control board where the "feedback loop" is controlled by a PID (proportional integral derivative) thus achieving control loop between ambient and 60°C.

A separate sensor input is also available for external monitoring of the chamber for certification purposes. The bowl area is insulated for efficiency and a high density thermal polymer is used to insulate the lid.

Rotor and tube holders have been specifically designed for high temperatures and oil use, offering excellent support with easy fit and removal after the test routine. A range of short and tall tube holders are available.

For other style tubes required please call us for assistance.



## BENCHTOP OIL TEST CENTRIFUGE

The Benchtop Oil Test Centrifuge is a large centrifuge which holds up to 4 x 100ml in samples. The maximum speed is 1500 RCF, and temperature can be heated up to 60°C, PID controlled to  $\pm 1^{\circ}\text{C}$ . Rotors, adaptors and accessories for this model can be found on the following page.



### Oil Test Benchtop Centrifuge

|              |                                                             |
|--------------|-------------------------------------------------------------|
| RPM          | 2500 RPM Max (10 RPM steps)                                 |
| RCF          | 10 - 1537G                                                  |
| Max Timer    | 0-9 hours & Hold (30 sec steps)                             |
| Dims (WxDxH) | 575 x 660 x 415mm                                           |
| Weight       | 90 Kg (without rotor)                                       |
| Power        | 900 Watts                                                   |
| Memory       | 99 programs                                                 |
| Accel Rates  | 10 programs                                                 |
| Decel Rates  | 10 programs                                                 |
| Temp Range   | Ambient to +60°C, PID controlled to $\pm 1^{\circ}\text{C}$ |

#### PART NUMBERS

C-LARGE.OIL 230V 50/60Hz (previously BE)

C-1.LARGE.OIL 110V 110V 60Hz (previously 1.BE)



### Oil Test Swing Out Rotor

|                    |                                   |
|--------------------|-----------------------------------|
| Rotor Type         | 4 x 100ml                         |
| Max Tube Size      | 37 x 203mm or 44 x 166mm          |
| RPM                | 2500 RPM                          |
| RCF                | 1537 RCF                          |
| Radius (cm)        | 22.0cm                            |
| Tube Angle °       | 0                                 |
| Accel. Time (secs) | 25 secs                           |
| Decel. Time (secs) | 25 secs                           |
| Adaptors Required  | C-A-AD373-OIL or<br>C-A-AD443-OIL |

#### PART NUMBER

C-R-SO5505 with included rings

## OILTEST ADAPTORS & ACCESSORIES

Centurion offers two adaptor types in the Pro Oil Test range, long and short, easily flexible for your needs. Acetal Supports are required with any adaptor, purchased separately.



*C-R-SO5505 rotor with required adaptors and acetal supports.*

### Long Adaptor

|               |               |
|---------------|---------------|
| Part Number   | C-A-AD373-OIL |
| Tube Size Max | 37 x 203mm    |
| Pack Size     | Pack of 4     |

### Acetal Support Required

|             |               |
|-------------|---------------|
| Part Number | C-A-DS370-OIL |
| Pack Size   | Pack of 4     |



*AD373 Adaptor*



*DS370 Acetal Support*



*C-R-SO5505 rotor with required adaptors and acetal supports.*

### Short Adaptor

|               |               |
|---------------|---------------|
| Tube Size Max | 44 x 166mm    |
| Part Number   | C-A-AS443-OIL |
| Pack Size     | Pack of 4     |

### Acetal Support Required

|             |               |
|-------------|---------------|
| Pack Size   | Pack of 4     |
| Part Number | C-A-DS440-OIL |



*Adaptor shown*



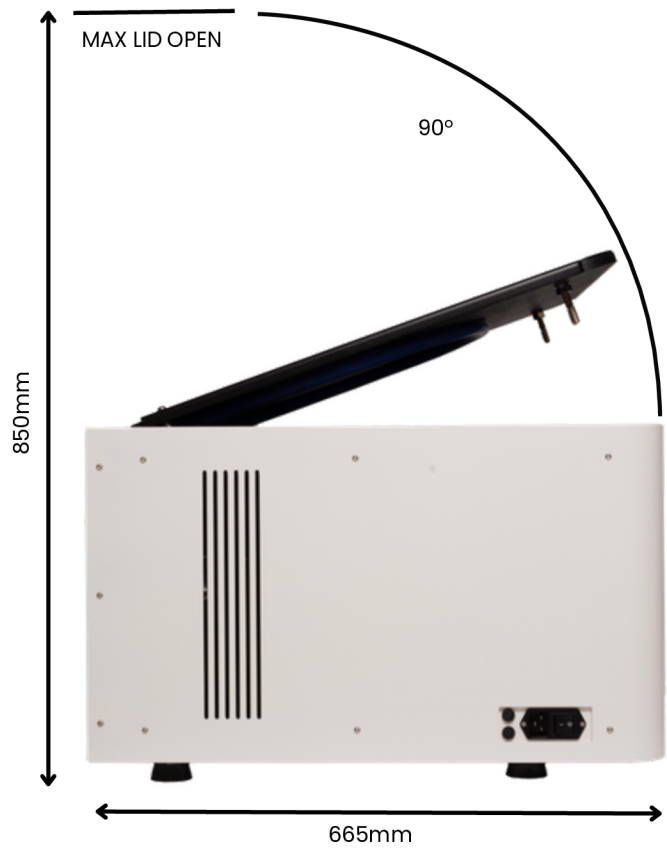
*Acetal support shown*



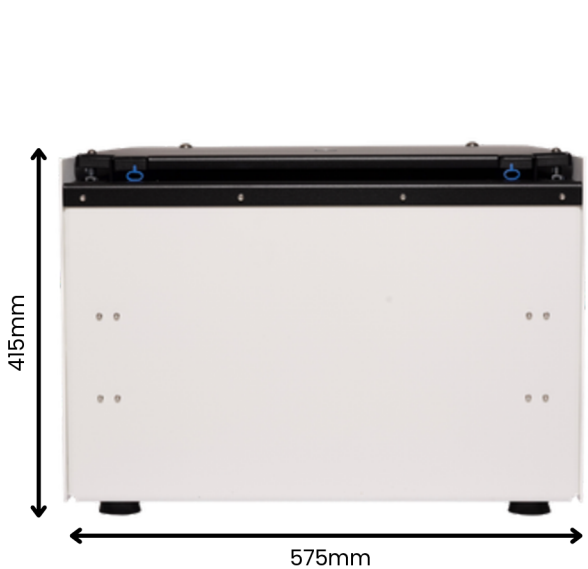
# BENCHTOP OIL TEST CENTRIFUGE DIMENSIONS



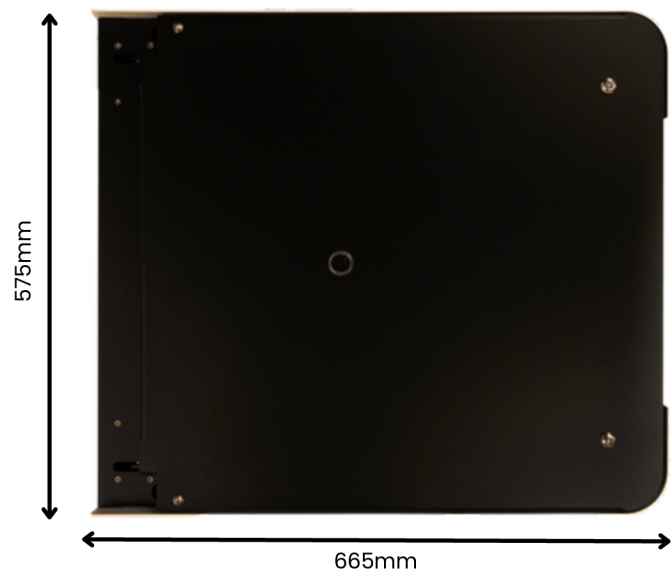
Front View



Side View



Rear View



Top View

## OILTEST FLOOR CENTRIFUGE

The Floor Pro Oil Test Centrifuge is a large centrifuge which holds up to 4 x 100ml in samples. The maximum speed is 1500 RCF, and temperature can be heated up to 60°C, PID controlled to  $\pm 1^{\circ}\text{C}$ . Rotors, adaptors and accessories for this model can be found on the following page.



### Oil Test Floor Centrifuge

|              |                                                             |
|--------------|-------------------------------------------------------------|
| RPM          | 2500 RPM Max (10 RPM steps)                                 |
| RCF          | 10 - 1537G                                                  |
| Max Timer    | 0-9 hours & Hold (30 sec steps)                             |
| Dims (WxDxH) | 575 x 665 x 875mm                                           |
| Weight       | 135 Kg (without rotor)                                      |
| Power        | 900 Watts                                                   |
| Memory       | 99 programs                                                 |
| Accel Rates  | 10 programs                                                 |
| Decel Rates  | 10 programs                                                 |
| Temp Range   | Ambient to +60°C, PID controlled to $\pm 1^{\circ}\text{C}$ |

#### PART NUMBERS

C-FLOOR.OIL 230V 50/60Hz (previously FSE)

C-1.FLOOR.OIL 110V 110V 60Hz (previously 1.FSE)



### Oil Test Swing Out Rotor

|                    |                                   |
|--------------------|-----------------------------------|
| Rotor Type         | 4 x 100ml                         |
| Max Tube Size      | 37 x 203mm or 44 x 166mm          |
| RPM                | 2500 RPM                          |
| RCF                | 1537 RCF                          |
| Radius (cm)        | 22.0cm                            |
| Tube Angle °       | 0                                 |
| Accel. Time (secs) | 25 secs                           |
| Decel. Time (secs) | 25 secs                           |
| Adaptors Required  | C-A-AD373-OIL or<br>C-A-AD443-OIL |

#### PART NUMBER

C-R-SO5505 with included rings.

## OILTEST ADAPTORS & ACCESSORIES

Centurion offers two adaptor types in the Pro Oil Test range, long and short, easily flexible for your needs. Acetal Supports are required with any adaptor, purchased separately.



*C-R-SO5505 rotor with required adaptors and acetal supports.*

### Long Adaptor

|               |               |
|---------------|---------------|
| Part Number   | C-A-AD373-OIL |
| Tube Size Max | 37 x 203mm    |
| Pack Size     | Pack of 4     |

### Acetal Support Required

|             |               |
|-------------|---------------|
| Part Number | C-A-DS370-OIL |
| Pack Size   | Pack of 4     |



*AD373 Adaptor*



*DS370 Acetal Support*



*C-R-SO5505 rotor with required adaptors and acetal supports.*

### Short Adaptor

|               |               |
|---------------|---------------|
| Tube Size Max | 44 x 166mm    |
| Part Number   | C-A-AS443-OIL |
| Pack Size     | Pack of 4     |

### Acetal Support Required

|             |               |
|-------------|---------------|
| Pack Size   | Pack of 4     |
| Part Number | C-A-DS440-OIL |



*Adaptor shown*



*Acetal support shown*



FLOOR OIL TEST  
CENTRIFUGE DIMENSIONS

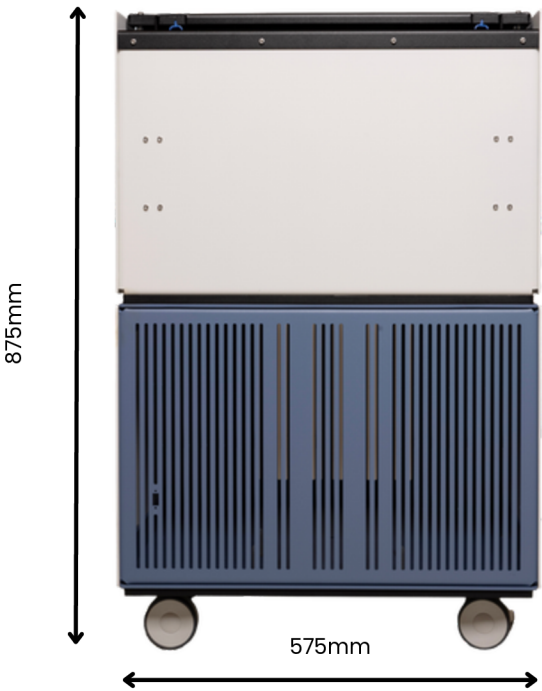
LED AND LCD SCREENS AVAILABLE



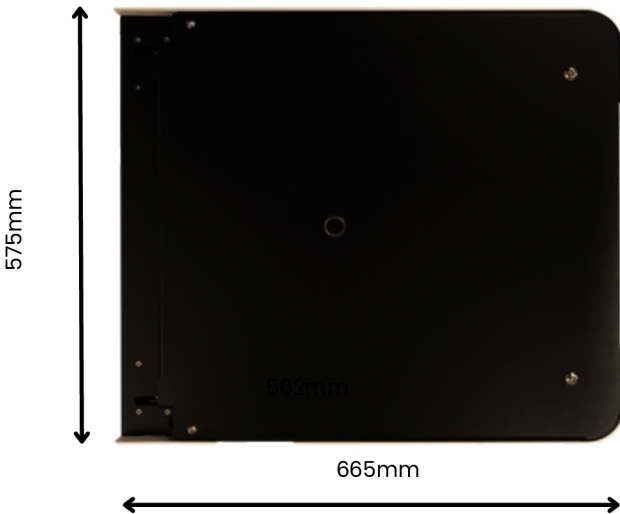
Front View



Side View



Rear View



Top View

# Contact

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[Pro Oil-Test Collection](#)

