

# PrO-Oiltest

a division of

**CENTURION**  
SCIENTIFIC LIMITED



**Refinery, Industrial  
Laboratories**

# For use with ASTM procedures

The following Centrifuges are ALL heated types from Ambient to 90°C

Centurion Scientific Ltd, (Manufacturers of centrifuges for 30 years) are offering a range unsurpassed in the market place, derived from our vast range of Centrifuges and knowledge.

## Choice available to all models

LED with button selection. 99 memory, 10 acceleration rates, 10 brake rates

## True Flexibility

Bench efficient footprint size

Bench with trolley, saving precious bench space, yet it can fit under the bench.

Floor standing combined unit, mobility in your laboratory, can be used on any level sturdy floor surface, move anywhere, (lockable castor's) or it can be fitted under the bench too.

## Methodologies

ASTM D1290, ASTM D1796, ASTM D1966, ASTM D2273, ASTM

D2709, ASTM D2711, ASTM D4007, ASTM D5546, ASTM D893, ASTM D91, ASTM D96

FTM 791, Methods 3000, 3003, 3004,, 3101, 3121,5661.

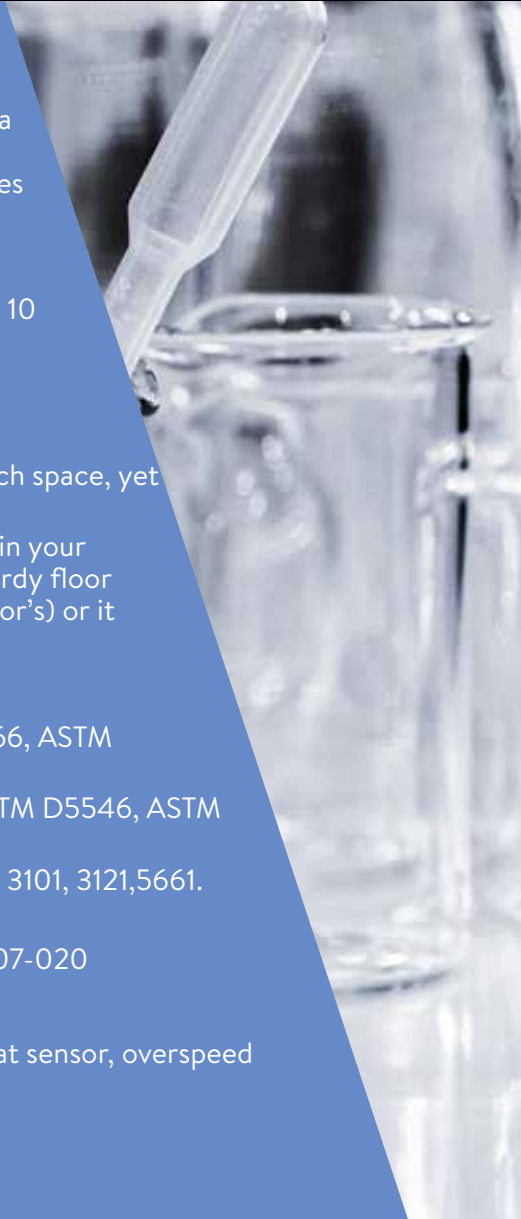
API 2542, 2548

ISO 3734, ISO 9030 DIN 51793 NF M 07-020

## Safety

Imbalance detector, lid closure, overheat sensor, overspeed detector.

Barrier ring and safety exhaust area.



# Contents

Bench and Bench with trolley. 4 x 100ml max			
BE	Swing out rotor centrifuge	4 x 100ml	4-5
Floor. 4 x 100ml max			
FSE	Swing out rotor centrifuge	4 x 100ml	6-7
Bench small. 4 x 12.5ml max			
BSE	Swing out rotor centrifuge	4 x 12.5ml	8-9
Specifications			

All Centrifuges are temperature controlled from ambient (room temperature) to 90°C  
Over temperature device fitted and emergency stop.

Lid must be shut for heater to be powered.

All Centrifuges have a safety barrier ring and a strong vent system for safe exhaust.

## Bench models



**BSE**



**BE**

## Floor model



**BE with trolley**

**FSE floor model**

4

# Bench Centrifuge to 4 x 100ml

Also available with a trolley

## PrO-Oiltest.BE



### PrO-oiltest. BE heated

BE.(230V 50/60Hz). 1.BE.(110V 60Hz).

<b>Speed</b>	2,500 Rpm max(10 Rpm steps)
<b>Rcf Max</b>	10 - 1,500 G
<b>Timer</b>	0-9 Hours & Hold (30 sec steps)
<b>Dims HWD</b>	375 x 575 x 660mm
<b>Weight</b>	65 Kg (without rotor)
<b>Power</b>	900 Watts
<b>Memory</b>	99 programs
<b>Accel rates</b>	10 programs
<b>Decel rates</b>	10 programs
<b>Temp</b>	Ambient to + 90°C PID Controlled to + / - 1°C

The following page shows available rotor.

# Oiltest Swing out rotor, adaptors & accessories



Tube Length Max	205mm
Minimum Speed	500 Rpm
Maximum Speed	2500 Rpm
Radius Max	22.0cm
Tube Angle	0 degree
Accel/Decel Time	25 seconds approx.

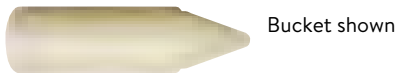
## BRK5600 Swing out rotor

### Shown with Adaptors (Required) Set 4

Adaptors and acetal support required as per tube requirement.

<b>Bucket:</b>	<b>Polypropylene</b>	
AD58-3	Pack of 4 One	
	One tube per adaptor total 4	Tube style: Pear
<b>Acetal support</b>		Max dims: 58 x 158mm
DS58	Pack of 4	

<b>Bucket:</b>	<b>Polypropylene</b>	Bucket shown
AD37-3	Pack of 4 One	
	One tube per adaptor total 4	Tube style: Long
<b>Acetal support</b>		Max dims: 37 x 203mm
DS37	Pack of 4	



Bucket shown



Support shown

<b>Bucket:</b>	<b>Polypropylene</b>	
AD44-3	Pack of 4 One	
	One tube per adaptor total 4	Tube style: Short
<b>Acetal support</b>		Max dims: 44 x 166mm
DS44	Pack of 4	

Other tubes available. Please call.

# Floor Centrifuge

## PrO-Oiltest.FSE



### PrO-Oiltest.FSE heated

FSE.(230V 50/60Hz). 1.FSE.(110V 60Hz).

<b>Speed</b>	2,500 Rpm max(10 Rpm steps)
<b>Rcf Max</b>	10 - 1,500 G
<b>Timer</b>	0-9 Hours & Hold (30 sec steps)
<b>Dims HWD</b>	1000 x 575 x 660mm
<b>Weight</b>	95 Kg (without rotor)
<b>Power</b>	900 Watts
<b>Memory</b>	99 programs
<b>Accel rates</b>	10 programs
<b>Decel rates</b>	10 programs
<b>Temp</b>	Ambient to + 90°C PID Controlled to + / - 1°C

The following page shows available rotor.

# Oiltest swing out rotor, adaptor's & accessories



Tube Length Max	205mm
Minimum Speed	500 Rpm
Maximum Speed	2500 Rpm
Radius Max	22.0cm
Tube Angle	0 degree
Accel/Decel Time	25 seconds approx.

## BRK5600 Swing out rotor

### Shown with Adaptors (Required) Set 4

Adaptors and acetal support required as per tube requirement.

**Bucket:** Polypropylene

AD58-3 Pack of 4 One  
One tube per adaptor total 4

#### Acetal support

DS58 Pack of 4

Tube style:  
**Pear**  
Max dims:  
**58 x 158mm**

**Bucket:** Polypropylene

AD37-3 Pack of 4 One  
One tube per adaptor total 4

#### Acetal support

DS37 Pack of 4

Bucket shown  
Tube style:  
**Long**  
Max dims:  
**37 x 203mm**



Bucket shown



Support shown

**Bucket:** Polypropylene

AD44-3 Pack of 4 One  
One tube per adaptor total 4

#### Acetal support

DS44 Pack of 4

Tube style:  
**Short**  
Max dims:  
**44 x 166mm**

Other tubes available. Please call.

# Small Bench Centrifuge 4 x 12.5ml

## PrO-Oiltest.BSE



### PrO-Oiltest.BSE heated

BSE.(230V 50/60Hz). 1.BSE.(110V 60Hz).

<b>Speed</b>	4,000 Rpm max(10 Rpm steps)
<b>Rcf Max</b>	10 - 2,240 G
<b>Timer</b>	0-9 Hours & Hold (30 sec steps)
<b>Dims HWD</b>	330 x 350 x 470mm
<b>Weight</b>	25 Kg (without rotor)
<b>Power</b>	500 Watts
<b>Memory</b>	99 programs
<b>Accel rates</b>	10 programs
<b>Decel rates</b>	10 programs
<b>Temp</b>	Ambient to + 90°C PID Controlled to + / - 1°C

The following page shows available rotor.



# Swing out rotor, adaptors & accessories



Tube Length Max	125mm
Minimum Speed	500 Rpm
Maximum Speed	4000 Rpm. 2200 Rcf (G)
Radius Max	12.5cm
Tube Angle	0 degree
Accel/Decel Time	25 seconds approx.

**BRK5512 Swing out rotor**

**Shown with Adaptors (Required) Set 4**

Adaptors and acetal support required as per tube requirement.



Bucket



Support shown

**Bucket: Polypropylene**

AD40-3 Pack of 4 One

One tube per adaptor total 4

**Acetal support**

RS40 Pack of 4

Tube style: **Short**

Max dims: **40 x 125mm**

# Thank you for reading the Sales Pages



The Following page shows the Features and benefits of our Oiltest range

As part of The Centurion Scientific Ltd Group, the Oiltest Company, benefits from the research that is in constant progress of the parent company. To this end this latest range uses a new swing out rotor allowing use of new capped tubes long, short & pear shaped. New supports have been designed to enclose the tube and removed easily if a tube breakage occurs and all disposed of thereafter.

We have also incorporated standby heating as standard, if the lid is open this is switched off. A new resettable over temperature safety switch has been incorporated for further safety peace of mind. (Motor, also has over temp switch )

Centurion has incorporated new body designs , bringing benefits of reduced

weights by using alloys and composites also giving further benefits of improved corrosion resistance. All our bodies are made from alloys/composites with zinc coated barrier rings and stainless steel bowls. No plastic's here, giving a superior long lasting life and safe enclosure for any incident.

## 2019

We are pleased to announce the introduction of a new bench top small centrifuge specifically designed for the popular 12.5ml tubes. With all the features of the larger models but in a smaller body.

Thank you for your attention.

# PrO-Oiltest Centrifuges



Built to last, these Centrifuges have strong construction yet offering a sleek modern design that will fit into any industrial environment.

No compromises on quality only the best components are used in the manufacturing process.

By working with all our suppliers, our reliability has been retained and improved to give all our range a 1 year warranty as standard.

User features to PrO-Oiltest series	Advantages
Bright red LED display	Clarity & ease of use
Rotor recognition	Safe selection of rotors
10 accelerations rates & 10 deceleration rates	Sample assistance
99 program memory	Multi department & Users
Timer 0-99 minutes & Hold in 30 second increments	Total flexibility
Pulse short run	Fast pelleting
Run in speed (rpm) or rcf (G) in 10 Rpm increments	Accuracy
Sound <60db (rotor dependent)	Quiet
Orientation acceleration rate	Prevents initial sample side deposits
Standard to PrO-Oiltest series	Advantages
Extra thick stainless steel bowl	Easy clean & rust free
Port to lid	Tachometer speed certification
Alloy & steel frame (zinc coated)	Strong light & quiet
World leading industrial grade inverter	Reliability & strength
Best quality European brushless motor	Quiet, cool & reliable
High technology airflow (ambient mode)	Cooler running
All centrifuges have user accessible service sections to access all safety parameters	
Safety features to PrO-Oiltest series	Advantages
Multi point lid locking	Lid safety
Emergency lid release	Power failure release
Lid Spring	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 protection

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

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