

PrO-Road

By Centurion Scientific Ltd



**25 years of
Excellence**

Benchtop Centrifuges



CE marked and ISO 9001
regulated and now IVD certified too

Welcome to our new Pro-Road range.

Designed with an Analytical Chemist and Civil Engineers, we offer state of the art and best value centrifuges for Analytical purpose use.

Derived from our LED display centrifuges spanning over 25 years of Centrifuge manufacturing.

Ambient

Designed to keep sample heating to a minimum, our **“Through flow air system“** is unsurpassed.

Thus keeping not only the samples cool, but the motor too, allowing , if necessary, long run times.

Feature count is the best for your various needs

Refrigeration

Our Latest **“Dynamic efficiency control system“** in Led display format derived from our long running LCD series is now available to meet the needs of the market.

Our aim with all our refrigeration systems was to reduce power by 25% and was easily achieved.

New thicker stainless bowls and improved Heat exchanger, with larger, yet more efficient Compressors and condensers.

Our control is unsurpassed, by using bypass hot gas, against its own cooling we can control to levels beyond our competitors, who simply switch the fridge on and off.

A new, next generation PID control software system adds to the control too.

A body redesign has resulted in a simple access panel , should any mains voltage control parts need servicing.

Rotors

We are aware of the needs of longevity and the need for corrosive or chemical resistance is paramount. **NOTE** all bowls in the centrifuges are stainless steel (Salt saturation tested)

To this end our fixed angle rotors are CNC machined from polypropylene as are the adaptors.

Giving the best strength and chemical resistance for your needs.

Other Swing out rotors and high speed rotors are made from aircraft grade high strength Aluminium and then double anodised for protection.

As a manufacturer we are aware of your different needs, if you have such requests.

Please call us, If possible we can specialise or add a rotor from another range to assist.

From the start of 2014 all Centrifuges and rotors carry a 3 year warranty

That is how confident we are of our Quality and resilience

Please see our Specifications on our Features opposite for more information on this range

We reserve the right to make changes with ongoing research and development.

User features to PrO-Cyt range	Advantages
Large bright blue LED display	Clarity & ease of use
10 acceleration rates 10 deceleration rates	Sample assistance
10 memory	Multiple users
Timer 0-99 minutes & Hold in 10 second increments	Total flexibility
Pulse short run	Fast pelleting
Run in Speed (Rpm) or Rcf (G) in 10 Rpm increments	Accuracy
Sound <60Db	Quiet
Orientation acceleration rate	Prevents initial sample side deposits

Standard to PrO-Cyt range	Advantages
Extra thick Stainless steel bowl	Easy clean & rust free
Port to lid	Tachometer speed certification
Alloy & steel frame with composite's	Strong light & quiet
World leading Industrial grade Inverter	Reliability & strength
Best Quality European Brushless motor	Quiet, cool & reliable
High technology airflow (ambient models)	Cooler running
All centrifuges have user accessible service sections to access all safety parameter	

Safety features to PrO-Cyt range	Advantages
Multi point lid locking	Lid safety
Emergency lid release	Power failure release
Lid gas strut	Lid dropping safety
Lid lock detection	To run Lid must be shut
Imbalance detection	Easy "eye" volume loading
Over speed Sensor	Safe detection of speed
Set inverter values	Electronic safety of speed
Barrier ring	Extra metal protection of chamber
Motor overheat sensor	Safe motor protection

Centurion Scientific Ltd centrifuges comply to all relevant EU standards for Quality and medical Devices IEC 61010 and CE conformity test marks Emission, immunity to EN/IEC 61326-1, Class B

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PrO-RoadRTL5 Ambient Centrifuge



Display indicative only.

- Speed**500-6000 Rpm
(10 Rpm steps)
- Rcf max**4,800 G
- Timer**.....0-99 Mins & hold
(30 sec steps)
- Dimensions** ...HWD 310 x 400 x 500mm
- Weight**.....31.6 Kg (without rotor)
- Power**.....309 watts
- Memory**.....10 programs
- Accel rates** ...10
- Decel rates** ...10

PrO-RoadRTL5R Refrigerated Centrifuge



Display indicative only.

- Speed**500-6000 Rpm
(10 Rpm steps)
- Rcf max**4,800 G
- Timer**.....0-99 Mins & hold
(30 sec steps)
- Dimensions** ...HWD 315 x 450 x 635mm
- Weight**.....62.2 Kg (without rotor)
- Power**.....448 watts
- Memory**.....10 programs
- Accel rates** ...10
- Decel rates** ...10
- Temp**-9 to +40°C PID
controlled to +/- 1°C

PrO-RoadRTL5/R Available Rotors

Fixed Angle



BRK5308

Swing Out



BRK5510

Fixed Angle



BRK5100

Rotors

Buckets B5250 (set 4)

Sealed Lids B5419

Rotor type

Tube size max

Minimum speed

Maximum speed

Maximum Rcf (G)

Radius max cms

Sample tube angle (°)

Acceleration time (secs)

Deceleration time (secs)

Autoclaveable (frequency)

8 x 50ml

30 x 120mm

500 Rpm

6,000 Rpm

4800

12

30

35

35

121°C (20)

Complete with buckets

Available

4 x 250ml

45 x 110mm

500 Rpm

4,000 Rpm

2600

14.6

0

30

30

121°C (20)

6 x 100ml

85 x 130mm

500 Rpm

6,000 Rpm

4800

12

30

35

35

121°C (20)

PrO-RoadRTL7 Centrifuge



Display indicative only.

- Speed**500-6000 Rpm
(10 Rpm steps)
- Rcf max**3,800 G
- Timer**.....0-99 Mins & hold
(30 sec steps)
- Dimensions** ...HWD 275 x 325 x 470mm
- Weight**.....21.8 Kg (without rotor)
- Power**.....125 watts
- Memory**.....10 programs
- Accel rates** ...10
- Decel rates** ...10

Fixed Angle Rotor

6000Rpm

Rotors

BRK5406

Rotor type	6 x 50ml
Tube size max	30 x 120mm
Minimum speed	500 Rpm
Maximum speed	6,000 Rpm
Maximum Rcf (G)	3800
Radius max cms	9
Sample tube angle (o)	30
Acceleration time (secs)	25
Deceleration time (secs)	25
Autoclaveable (frequency)	121°C (20)



Swing Out Rotor

4000Rpm

Sealed lids available set 4 Part Nos 5419


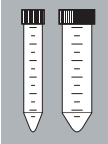

Adaptors required see page 7

Rotors

BRK5505

Rotor type	4 x 100ml
Tube size max	45 x 100mm
Minimum speed	500 Rpm
Maximum speed	4,000 Rpm
Maximum Rcf (G)	2200
Radius max cms	12.3
Sample tube angle (o)	0
Acceleration time (secs)	30
Deceleration time (secs)	30
Autoclaveable (frequency)	121°C (20)



Adaptors for Swing out rotors				Adaptors		Adaptors	
Tube type	Shape	Capacity	Size	To fit rotor BRK5505	To fit rotor BRK5510		
			WxH (mm)	Part nos	Nos of tubes per rotor	Need buckets	Nos of tubes per rotor
	Plain No cap	round 25ml	24x100	AR525*	8	AR625	12
	Plain No cap	round 50ml	34x100	AR550*	4	AR650	4
	Plain No cap	round 100ml	45x100	AR5100*	4	AR6100	4
	Plain No cap	round 150ml	52x100	N/A	N/A	AR6150	4
	Plain No cap	round 250ml	62x100	N/A	N/A	BUCKET	4
	Falcon with cap	Point 50ml	29x115	AF550*	4	AF650*	4
	Falcon with cap	Point 175ml	61x118	N/A	N/A	AF6175*	4
	Falcon with cap	Square 25ml	25x90	AFS525	4	AFS625*	8
	Falcon with cap	Square 30ml	25x110	AFS530	4	AFS630	8
	Falcon with cap	Square 50ml	29x115	AFS550*	4	AFS650	4
	Nalgene/Oakridge	Round 30ml	26x95	ANO530*	4	ANO630	4
	Nalgene/Oakridge	Round 50ml	29x107	ANO550*	4	ANO650	4
	Nalgene/Oakridge	Round 85ml	38x106	ANO585	4	ANO685	4
	Nalgene/Oakridge*	Flat 250ml	62x130	N/A		Buckets 5250	4

Note:- We cannot be held responsible if the tube manufacturers change design and/or size of the tube.
* Limited capacity with sealed bucket lids (B5419 and B5319).

If you cannot find the Adaptors required here, please contact us.
As manufacturer we can machine accordingly.

Reducers



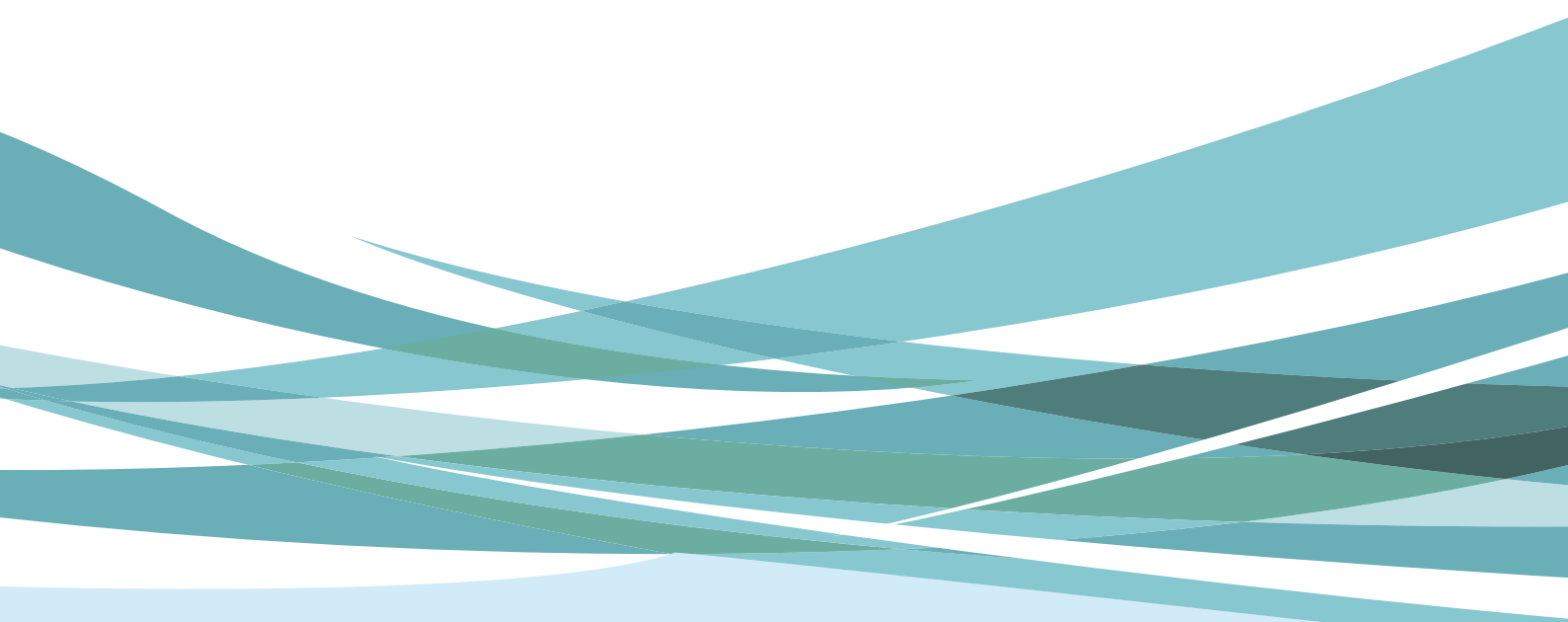
Rotor	BRK5434
Part number	RM15 (15ml)
Tube size max	17 x 120mm
Part number	RM25 (25ml)
Tube size max	25 x 100mm

All Centrifuges are complete with ONE fixed angle rotor. Reducers available please call.
Swing out rotors, buckets and adaptors are extra.



MADE IN BRITAIN
DISTRIBUTED WORLDWIDE

**To review all our ranges
please visit our global website**



www.centurionscientificglobal.com

