

Centurion Scientific Ltd 

K3 Series Benchtop Centrifuges



Made in The UK & Sold all over the world!!

**Established in 1989 we are now celebrating
over 20 years
of success**



Choosing the right Centrifuge

A centrifuge is a critical piece of equipment. Therefore, when the time comes to add new centrifuges or replace old models, it is important to make an informed decision.

With so many recent advances in both science and technology, it is wise to educate yourself about our wide range of centrifuge options now available.

Reasons to buy

Engineered excellence offering a choice which will fit all budgets.

Two year warranty offering complete peace of mind.
(All warranties are subject to certain terms and conditions)

Strong and built to last, yet offering an attractive exterior pleasing to the eye.

Incorporating high level safety features – adhering to ISO and other governing bodies.
We are CE marked accordingly.

Preferred supplier to Ministries of health, agriculture, government bodies, hospitals, veterinary establishments and charities worldwide to name but a few.
We are tried, tested and trusted worldwide.

No compromises

We use only the best motors, inverters, filters and materials.
Our rotors are either aircraft grade aluminium or high tech composites.

Rigorous quality assurance. Through a 3 phase QA test process.

Bespoke special adaptor service, means a perfect fit to all tubes.
(within the rotors capacity)



Where innovative design and concept become reality...

...The new Centurion range



The combination of pioneering high technology manufacturing, with traditional functionality and safety features, means the new range from Centurion is in a league of its own.

Bringing together technological and design excellence. Centurion have paved the way for a new generation of Centrifuges.

Efficiency and safety are key requisites, wherever centrifuges are incorporated to a working process, they need to deliver good separation results quickly and safely. This we have achieved over many years and our reputation for quality and safety are unmistakably the same.

These user friendly centrifuges offer added applications for convenience and easy use. With models to suit all applications.

**Please see our C2 series, Pro-Sep and Pro-Vet
for alternative models.**

**Also view our Cytology and Cell Washer brochures
to see our complete range.**



We reserve the right to make changes without prior notice in line with ongoing R&D

Details for all K3 series



LCD display

Touch screen control

Features

10 Acceleration rates

10 Deceleration rates

108 Program memory

Rotor recognition

Timer 0-999 minutes and hold up to 1 second increments.

Pulse (short run) to 90 seconds

Run in speed or Rcf(G Force) up to 1 Rpm increments

W²t plus for true repeatability

Sound < 60dB

All rotors autoclaveable to 120C

Standard features to all K3 range.

Stainless steel bowl

Alloy and steel main frame with composite panels

World brand leading industrial grade inverter

High quality European brushless motor

CFC free Refrigerant on R models

Advantages

Cleanliness & Rust Free

Strong Light & Quiet

Reliability & Accuracy

Quiet, Cool & Reliable

Ozone layer friendly

Safety features to all range.

Multi-point lid locking system containment

Imbalance vibration detector with auto reset

Lid lock detector

Overspeed sensor

Set inverter values

Barrier ring

Motor overheat sensor

Best Safety for Lid

Easy "eye" volume loading

Unable to run with an open lid

Safe detection of speed

Electronic safety of speed

Metal protection of chamber

Motor protection

Full service access via coded system, giving LCD display diagnostics

Index

Micro Centrifuges



K2015

Multi Micro Centrifuge
15000 rpm max 22,000G
Micro tube & fixed angle rotors



K2015R

Multi Micro Refrigerated Centrifuge
15000 rpm max 22,000G
Micro tube & fixed angle rotors

Medium Centrifuges



K241

Centrifuge 1 litre
15000 rpm max 22,000G
Swing out & fixed angle rotors



K241R

Refrigerated Centrifuge 1 litre
15000 rpm max 22,000G
Swing out & fixed angle rotors

Large Centrifuges



K243

Centrifuge 3 Litre capacity
15000 rpm max 22,000G
Swing out & fixed angle rotors



K243R

Refrigerated Centrifuge 3 Litre capacity
15000 rpm max 22,000G
Swing out & fixed angle rotors

Multi-purpose



K2045

Centrifuge 400ml capacity
15000 rpm max 22,000G
Varied range of swing out &
fixed angle rotors

K2015 *"Micro with the highest functionality & specifications"* **Ambient Model**

Speed	500-15000Rpm in 1 Rpm steps
Max Rcf	22000G
Timer	0-999Minutes + hold in 1 second steps
Dims HWD	27x33x46Cms
Weight	16.5Kilos without rotor



K2015R *"The micro chill..."* **Refrigerated Model**

Speed	500-15000Rpm in 1 Rpm steps
Max Rcf	22000G
Timer	0-999Minutes + hold in 1 second steps
Dims HWD	35x40x62Cms
Weight	45Kilos without rotor
Temp	-9 to +40C PID Controlled accuracy and control to 0.5C



Rotors - fixed angle available to both



BRK5424

Reducers available

max speed 15000 Rpm 22,000G
24 x 1.5-2.2ml tube, fixed angle rotor
Tube size maximum H40 x W11mm
0.2 - 0.4ml and 0.5ml



BRK5436

max speed 15000 Rpm 22,000G
36 x 0.5ml tube, fixed angle rotor
Tube size maximum H40 x W8mm

BRK5448

48 x 0.2ml tube, fixed angle rotor
Tube size maximum H40 x W6mm



BRK5494

max speed 15000 Rpm 22,000G
4 x 8 place strip PCR tubes (0.2ml)



BRK5308

Reducers available

max speed 6000 Rpm 4,800G
8 x 50ml tube, fixed angle rotor
Tube size maximum H115 x W30mm
15ml and 25ml



BRK5324

Reducers available

max speed 6000 Rpm 4,800G
24 x 15ml tube, fixed angle rotor
Tube size maximum H120 x W17 mm
5ml and 10ml

K241 *"One litre top specification"*
Ambient Model

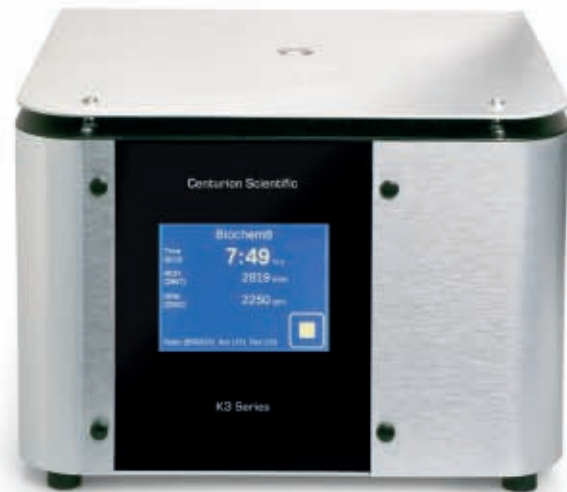
Speed 500-15000Rpm
in 1 Rpm steps

Max Rcf 22000G

Timer 0-999Minutes + hold
in 1 second steps

Dims HWD 28x40x50Cms

Weight 22.5Kilos
without rotor



K241R *"The chill with all the frills"*
Refrigerated Model

Speed 500-15000Rpm
in 1 Rpm steps

Max Rcf 22000G

Timer 0-999 Minutes
+ hold in
1 second steps

Dims HWD 35x40x62Cms

Weight 45Kilos
without rotor

Temp -9 to +40C PID Controlled
Accuracy and control
to ±0.5C



Rotors - swing out available to both

BRK5510 max speed 4000 Rpm 2,600G
Swing out rotor 4 x 250ml max
Requires tube adaptors

B5250 Buckets required (4)
(shown with Rotor)
Sealed lids available B5419

BRK5530 max speed 4000 Rpm 2,800G
Microtitor plate buckets
and rotor complete
Capacity 4 total stacked



Rotors - fixed angle available to both



BRK5424

Reducers available

max speed 15000 Rpm 22,000G
24 x 1.5-2.2ml tube, fixed angle rotor
Tube size maximum H40 x W11mm
0.2ml - 0.4ml and 0.5ml



BRK5494

max speed 15000 Rpm 22,000G
4 x 8 place strip PCR tubes (0.2ml)



BRK5436

max speed 15000 Rpm 22,000G
36 x 0.5ml tube, fixed angle rotor
Tube size maximum H40 x W8mm
Cap size dependant



BRK5448

48 x 0.2ml tube, fixed angle rotor
Tube size maximum H40 x W6mm
Cap size dependant



BRK5324

Reducers available

max speed 6000 Rpm 4,800G
24 x 15ml tube, fixed angle rotor
Tube size maximum H120 x W17 mm
5ml and 10ml



BRK5308

Reducers available

max speed 6000 Rpm 4,800G
8 x 50ml tube, fixed angle rotor
Tube size maximum H115 x W30mm
15ml and 25ml



BRK5100

Reducers available

max speed 6000 Rpm 4,800G
6 x 100ml tube, fixed angle rotor
Tube size maximum H125 x W45mm
10ml, 15ml, 25ml, 50ml and 85ml

BRK5401

max speed 12000 Rpm 13,500G
24 x capillary tubes
Tube size maximum H75 x W1.6mm
and 12 x 1.5 -2.0ml tube
Cap size dependant
Tube size maximum H40 x W11mm

K243 *"Probably the most comprehensive 3 litre available for your money"*
Ambient Model

Speed 500-15000Rpm
in 1 Rpm steps
Max Rcf 22000G
Timer 0-999Minutes
+ hold in
1 second steps
Dims HWD 40x60
x63Cms
Weight 63.5Kilos
without rotor



K243R *"The big chill 3 litre..."*
Refrigerated Model

Speed 500-15000Rpm
in 1 Rpm steps
Max Rcf 22000G
Timer 0-999Minutes
+ hold in
1 second steps
Dims HWD 40x75x63Cms
Weight 75Kilos
without rotor
Temp -9 to +40C
PID Controlled
Accuracy to ±0.5C



Rotors - swing out available to both

BRK5553

max speed 4000 Rpm 3,600G
4 x 750ml max swing out rotor

B3000

Buckets required (4)
(shown with Rotor)
Sealed lids available B5319
Adaptors available (see p14/15)



B5200

max speed 4000 Rpm 3,600G
Microtitor plate buckets
Capacity 8 total stacked
[requires BR5553 rotor - as shown]



Rotors - fixed angle available to both



BRK5424

Reducers available

max speed 15000 Rpm 22,000G
24 x 1.5-2.2ml tube, fixed angle rotor
Tube size maximum H40 x W11mm
0.2 - 0.4ml and 0.5ml



BRK5494

max speed 15000 Rpm 22,000G
4 x 8 place strip PCR tubes (0.2ml)



BRK5436

max speed 15000 Rpm 22,000G
36 x 0.5ml tube, fixed angle rotor
Tube size maximum H40 x W8mm

BRK5448

48 x 0.2ml tube, fixed angle rotor
Tube size maximum H40 x W6mm



BRK5324

Reducers available

max speed 6000 Rpm 4,800G
24 x 15ml tube, fixed angle rotor
Tube size maximum H120 x W17 mm
5ml and 10ml



BRK5308

Reducers available

max speed 6000 Rpm 4,800G
8 x 50ml tube, fixed angle rotor
Tube size maximum H115 x W30mm
15ml and 25ml



BRK5100

Reducers available

max speed 6000 Rpm 4,800G
6 x 100ml tube, fixed angle rotor
Tube size maximum H125 x W45mm
10ml, 15ml, 25ml, 50ml and 85ml



BRK5250

Reducers available

max speed 10000 Rpm 16,100G
4 x 250ml tube, fixed angle rotor
Tube size maximum H125 x W62mm
10ml, 15ml, 25ml, 50ml, 85ml, 100ml
and 175ml

K2045 *"Designed with your every need in mind"*

Speed 500-15000Rpm
in 1 Rpm steps

Max Rcf 22,000G

Timer 0-999Minutes
+ hold in
1 second steps

Dims HWD 27x33x46Cms

Weight 17Kilos
without rotor



Rotors - swing out



BRK5505

max speed 4000 Rpm 2,200G
4 x 100ml max swing out rotor
with rings
Requires tube adaptors as below
Sealed lids available B5419



TUBE ADAPTORS for BR5505

Range from 0.5ml to 100ml max

See Page 14/15 for full details

Rotors - fixed angle



BRK5324

max speed 6000 Rpm 4,800G
24 x 15ml tube, fixed angle rotor
Tube size maximum H120 x W17 mm
5ml and 10ml

Reducers available



BRK5308

max speed 6000 Rpm 4,800G
8 x 50ml tube, fixed angle rotor
Tube size maximum H115 x W30mm
15ml and 25ml

Reducers available



BRK5494

Rotors - fixed angle

max speed 15000 Rpm 22,000G
4 x 8 place strip PCR rotor (0.2ml)



BRK5424

max speed 15000 Rpm 22,000G
24 x 1.5-2.2ml tube, fixed angle rotor
Tube size maximum H40 x W11mm
0.2ml - 0.4ml and 0.5ml

Reducers available



BRK5436

max speed 15000 Rpm 22,000G
36 x 0.5ml tube, fixed angle rotor
Tube size maximum H40 x W8mm



BRK5448

max speed 15000 Rpm 22,000G
48 x 0.2ml tube, fixed angle rotor
Tube size maximum H40 x W6mm



Falcon with cap
Falcon with cap
Falcon with cap
Falcon with cap

Square
Square
Square
Square

12ml
25ml
30ml
50ml

17x100
25x90
25x110
29x115

AFS512
AFS525
AFS530
AF550

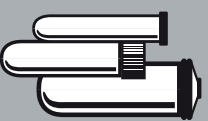
8
4
4
4

AFS612
AFS625
AFS630
AF650

16
8
8
4

AFS812
AFS825
AFS830
AFS850

48
28
28
20



Nalgene/Oakridge
Nalgene/Oakridge
Nalgene/Oakridge
Nalgene/Oakridge

Round
Round
Round
Round

10ml
30ml
50ml
85ml

16x80
26x95
29x107
38x106

AN0510
AN0530
AN0550
AN0585

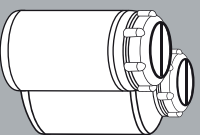
8
4
4
4

AN0610
AN0630
AN0650
AN0685

16
8
8
4

AN0810
AN0830
AN0850
AN0885

48
28
24
12



Nalgene/Oakridge *
Nalgene/Oakridge *

Flat
Flat

250ml
750ml

62x130
98x153

N/A
N/A

N/A
N/A

Buckets 5250
N/A

4
N/A

AN08250
Bucket

4
4



Monovette
Monovette
Monovette
Monovette
Monovette
Monovette
Monovette
Monovette

Square
Square
Square
Square
Square
Square
Square
Square

1.1-1.4ml
2.7-3ml
2.6-2.9ml
4.5-5ml
7.5-8.2ml
4-5.5ml
7.5-8.2ml
9-10.0ml

8x82
11x82
13x81
11x108
13x106
15x92
15x108
16x108

AM5014
AM503
AM529
AM503
AM579
AM550
AM550
AM590

48
48
40
48
40
28
28
28

AM6014
AM603
AM629
AM603
AM679
AM650
AM650
AM690

48
48
40
48
40
28
28
28

AM8014
AM803
AM829
AM803
AM879
AM850
AM850
AM890

96
76
76
76
76
64
64
64



Vacutainer
Vacutainer
Vacutainer
Vacutainer
Vacutainer

Round
Round
Round
Round
Round

1.6-5.0ml
4-7.0ml
4-7.0ml
8.0ml
8.5-10.0ml

13x75
13x100
16x75
16x125
16x100

AV516
AV550
AV570
AV580
AV580

40
40
28
28
28

AV616
AV650
AV670
AV680
AV680

40
40
28
28
28

AV816
AV850
AV870
AV880
AV880

76
76
64
64
64

Note:- We cannot be held responsible if the tube manufacturers change design of tube.

* Cannot be used with bucket lids. Part No B5419 and B5319.

Adaptors for Swing out rotors

Adaptors

Adaptors

Adaptors

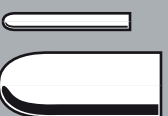


Tube type	Shape	Capacity	Size
Micro with cap	point	0.5ml	WxH (mm) 8x20
Micro with cap	point	1.5ml	11x38
Micro with cap	point	2.0ml	11x38
Micro with cap	point	0.2ml	6x20
Micro with cap	point	0.4ml	6x30

To fit rotor BRK5505		Nos of tubes	
Part nos	Per rotor		
AM505	40		
AM520	28		
AM520	28		
AM502	48		
AM504	48		

To fit rotor BRK5510		Nos of tubes	
Part nos	Per rotor		
AM605	40		
AM620	28		
AM620	28		
AM602	64		
AM604	64		

To fit rotor BRK5553		Nos of tubes	
Part nos	Per rotor		
AM805	120		
AM820	84		
AM820	84		
AM802	168		
AM804	168		

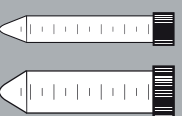


Plain	No cap	round	1ml	6x45
Plain	No cap	round	3ml	10x60
Plain	No cap	round	5ml	12x75
Plain	No cap	round	6ml	12x82
Plain	No cap	round	7ml	12x100
Plain	No cap	round	9/10ml	14x100
Plain	No cap	round	15ml	17x100
Plain	No cap	round	25ml	24x100
Plain	No cap	round	50ml	34x100
Plain	No cap	round	100ml	45x100
Plain	No cap	round	150ml	52x100
Plain	No cap	round	250ml	62x100

AR501	48		
AR503	32		
AR505	32		
AR505	32		
AR507	32		
AR509	28		
AR515	28		
AR525	12		
AR550	4		
AR5100	4		
N/A	N/A		
N/A	N/A		

AR601	48		
AR603	32		
AR605	32		
AR605	32		
AR607	32		
AR609	28		
AR615	28		
AR625	12		
AR650	8		
AR6100	4		
AR6150	4		
BUCKET	4		

AR801	168		
AR803	96		
AR805	96		
AR805	96		
AR807	96		
AR809	84		
AR815	52		
AR825	28		
AR850	20		
AR8100	8		
AR8150	4		
AR8250	4		

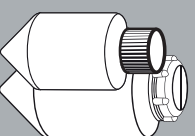


Falcon with cap	Point	15ml	17x120
Falcon with cap	Point	50ml	29x115
Falcon with cap	Point	175ml	61x118

AF515	8		
AF550	4		
N/A	N/A		

AF615	16		
AF650	4		
AF6175	4		

AF815	48		
AF850	16		
AF8175	4		



Corning with cap *	Point	250ml	60x172
Corning with cap *	Point	500ml	98x148

N/A			
N/A			

N/A			
N/A			

N/A			
N/A			

N/A			
N/A			

AF8250	4		
AF8500	4		