

Centurion Scientific Ltd

K Series - K243/K243R Centrifuges



Welcome to our latest range, we trust you will find the following pages informative. With time comes experience and in our 24 years we have learnt that development is an ongoing sequence that is led by materials and analytical changes in the world. To this end, our development has improved user use, sample integrity and access. By working with all our suppliers, our reliability has been retained and improved to give all our range a **2 year warranty** as standard.



CE marked and ISO 9001 regulated and now IVD certified too

| User features to K3 series | Advantages |
|--|---------------------------------------|
| Large LCD display with touch control | Clarity & ease of use |
| Rotor recognition | Safe selection of rotors |
| 10 acceleration rates 10 deceleration rates | Sample assistance |
| 108 memory (12 pages of 9) | Multi department & users |
| Timer 0-9999 minutes & Hold in 1 second increments | Total flexibility |
| Pulse short run | Fast pelleting |
| Run in Speed (Rpm) or Rcf (G) in 1 Rpm increments | Accuracy |
| W2t Plots Time, Accel, Rpm and Decel | True sample repeatability |
| Sound <60Db (rotor dependant) | Quiet |
| Orientation acceleration rate | Prevents initial sample side deposits |

| Standard to K3 series | 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 parameters | |

| Safety features to K3 series | Advantages |
|-------------------------------------|-----------------------------------|
| Multi point lid locking (motorised) | Lid safety & ease |
| Emergency lid release | Power failure release |
| Lid gas struts | Lid dropping safety |
| Lid lock detection | To run Lid must be shut |
| Imbalance detection | Easy "eye" volume loading |
| Overspeed 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 |

| Refrigerated K3 series | Advantages |
|---|-------------------------------|
| Variable from -9 to +40°C with stand by cooling | Flexibility (see rotors) |
| CFC free R404A gas | Ozone friendly |
| Valve control of Gas | Efficient temperature control |
| PID control of valve | Supreme temperature accuracy |

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

K243 Ambient Centrifuge



Speed500-15000 Rpm
(1 Rpm steps)

Rcf max22,000 G

Timer0-9999 Mins & hold
(1 sec steps)

Dimensions ...HWD 375 x 600 x 630mm

Weight63.5 Kg (without rotor)

Power750 watts

Memory108 programs

Accel rates ...10

Decel rates ...10

K243R Refrigerated Centrifuge



Speed500-15000 Rpm
(1 Rpm steps)

Rcf max22,000 G

Timer0-9999 Mins & hold
(1 sec steps)

Dimensions ...HWD 410 x 998 x 630mm

Weight120 Kg (without rotor)

Power1200 watts

Memory108 programs

Accel rates ...10

Decel rates ...10

Temp-9 to +40°C PID
controlled to +/- 1°C