

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



- Speed**500-15000 Rpm
(1 Rpm steps)
- Rcf max**22,000 G
- Timer**.....0-9999 Mins & hold
(1 sec steps)
- Dimensions** ...HWD 375 x 600 x 630mm
- Weight**.....63.5 Kg (without rotor)
- Power**.....750 watts
- Memory**.....108 programs
- Accel rates** ...10
- Decel rates** ...10

K243R Refrigerated Centrifuge



- Speed**500-15000 Rpm
(1 Rpm steps)
- Rcf max**22,000 G
- Timer**.....0-9999 Mins & hold
(1 sec steps)
- Dimensions** ...HWD 410 x 998 x 630mm
- Weight**.....120 Kg (without rotor)
- Power**.....1200 watts
- Memory**.....108 programs
- Accel rates** ...10
- Decel rates** ...10
- Temp**-9 to +40°C PID
controlled to +/- 1°C