



BRK5308



BRK5324



BRK5424



1.K241R (110V 60 Hz)

Refrigerated Centrifuge

Speed	15,000 Rpm max (1 Rpm steps)
Rcf Max	10 - 24,000 G
Timer	0-99hours & Hold (1 sec steps)
Dims HWD	330 x 435 x 650mm
Weight	57.8 Kg (without rotor)
Power	625 Watts
Memory	99 programs
Accel rates	10 programs
Decel rates	10 programs
Temp range	-10C to 40C PID controlled to +/- 1C

Built to last, these Centrifuges have strong construction yet, offer a sleek modern design that will fit into any modern laboratory. 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 support. CE marked and ISO 9001 & 13485



User features to PrO-Analytical series	Advantages
LCD touch screen control	Clarity & ease of use
Rotor recognition	Safe selection of rotors
10 acceleration rates & 10 deceleration rates	Sample assistance
99 program memory	Multi department & Users
Timer 0-99, Hours & Hold in 1 second increments	Total flexibility
Pulse short run	Fast pelleting
Run in speed (rpm) or rcf (G) in 10 rpm increments	Accuracy
Orientation acceleration rate	Prevents initial sample side deposits
Sound <60db (rotor dependent)	Quiet

Standard features to PrO-Analytical series	Advantages
Extra thick stainless steel bowl or acrylic	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-Analytical 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	Stops the run if out of balance
Overspeed sensor	Safe detection of speed
Set inverter values	Electronic safety of speed
Barrier ring	Safety protection of chamber
Motor overheat sensor	Safe motor protection

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

ROTOR INCLUDED:

Rotor	BRK5324	BRK5308
Rotor type	24 x 15ml	8 x 50ml
Tube size max	17 x 120mm	30 x 120mm
Minimum Rcf (G)	10	10
Maximum Rcf (G)	4,800	4,800
Maximum Speed	6,000	6,000
Radius max cms	12	12
Sample tube angle °	35	35
Acceleration time (secs)	30	30
Deceleration time (secs)	35	35
Autoclavable (frequency)	121°C (10)	121°C (10)

Refrigerated Centrifuges Only

Minimum Temperature	4°C	4°C
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At maximum speed (relative to room temperature at 23°C)



Rotor	BRK5424
Rotor type	24 x 2.0ml
Tube size max	11 x 40mm
Minimum Rcf (G)	10
Maximum Rcf (G)	22,000
Maximum Rpm	15,000
Radius max cms	8.75cms
Sample tube angle °	45
Acceleration time (secs)	15
Deceleration time (secs)	15
Autoclavable (frequency)	121°C (10)
Minimum Temperature @ 23°C	4°C

Refrigerated Centrifuges

Dynamics rooted in innovation

Accuracy and control using less power

How?

Centurion Scientific Ltd keep the compressor running constantly, sounds odd but this method increases compressor life and reduces power dramatically. Constantly turning a compressor on and off means a huge surge of power on each action. plus poor temperature control. See graph below, to control the accuracy to an unprecedented level we balance and control with a heater. This is controlled by a PID system Referring top level control.

Why?

Imagine using a shower, you turn on both hot water and cold to reach your desired temperature. You would not stand in cold water, then hot to regulate temperature. By using both cold and hot we “balance” the set temperature As we have been using this method for over 27 years it is a proven technology.

Pro

See the graph below. Centurion is set at 3°C and a well known competitor at 4°C to differentiate. As you can clearly see our system has control and repeatability beyond our competition.

