

G force and its use.



CENTURION
SCIENTIFIC LIMITED

G force is what achieves the separation.

This is a combination of Speed and **Radius** of centre to furthest edge of the tube in the rotor, this is known as Rcf max.

Radius in MM x 1.118 x Speed/1000 squared

Our LED and LCD centrifuges can be programmed in G Force or Speed as per the rotor selected to assist you.

NOTE for glass tubes please **DO NOT** use a Rcf (G force) of greater than 2000

Speed will be rotor dependant.

Glass tubes cannot take the stress. If you need higher g forces use Polypropylens or Polycarbonate and always purchase from a known company that will also state the maximum G force you can use.

Poor tube quality is a major cause of ruptured tubes and under high speeds can cause significant damage to the centrifuge under failure.

Fixed angle rotors

Diam	Max speed	Max Rcf (G)	max speed for glass				Rotor	Rotor	Rotor	Rotor	Rotor
87	6000	3502	4580 Rpm				BRK	5408	5404	5407	5202
95	6000	3824	4300 Rpm				BRK	5412	5406		5212
120	6000	4830	3850 Rpm				BRK	5324	5308	5100	5224
											5210

Swing out rotors

Diam	Max speed	Max Rcf (G)	max speed for glass				Rotor	Buckets			
85	4000	1520	4000 Rpm				BRK	5508S	incl		
123	4000	2200	3800 Rpm				BRK	5508M	incl		
146	3500	2000	3500 Rpm				BRK	5508L	incl		
123	4000	2200	3800 Rpm				BRK	5506	adaptors		
146	4000	2612	3500 Rpm				BRK	1001	5251		
203	4000	3631	2950 Rpm				BRK	3000	2001		
225	4000	4025	2800 Rpm				BRK	3000	3001		
255	4000	4561	2640 Rpm				BRK	3000	4001		

PrO-Care

Service, Warranty & Maintenance packages

The lifespan of a centrifuge depends upon how well it is looked after and maintained.

Many of our centrifuges have lived a life of over 15 years.

This is not only due to our stringent manufacturing process and high quality components but also to a yearly servicing package. Making them a cost effective solution of centrifugation.

Whilst our centrifuges come with a confidence giving warranty, yearly services are imperative to ensure your warranty is valid, this also ensures your machine is working to its best ability and lengthens its life span. Also as centrifuges are a dangerous machine, safety checks are required too.

For UK customers we offer a back to base service package including carriage to us and return all within 48 hours. Centrifuge seals , fuses & other parts are replaced, adjustments made, rotor checked for stress cracks, seals changed if necessary (extra charge) PAT (portable appliance test) is included Obligatory in UK.

For worldwide customers we offer a full parts package per model. The designated country distributor services the units accordingly.

Call our Office to discuss or visit our Service website

WWW.ServicePrO-Care.com

www.Centurionscientificglobal.com

Switchboard. 0044 (0) 2392 631225

Research & service

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Ambient manufacturing

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Sales

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