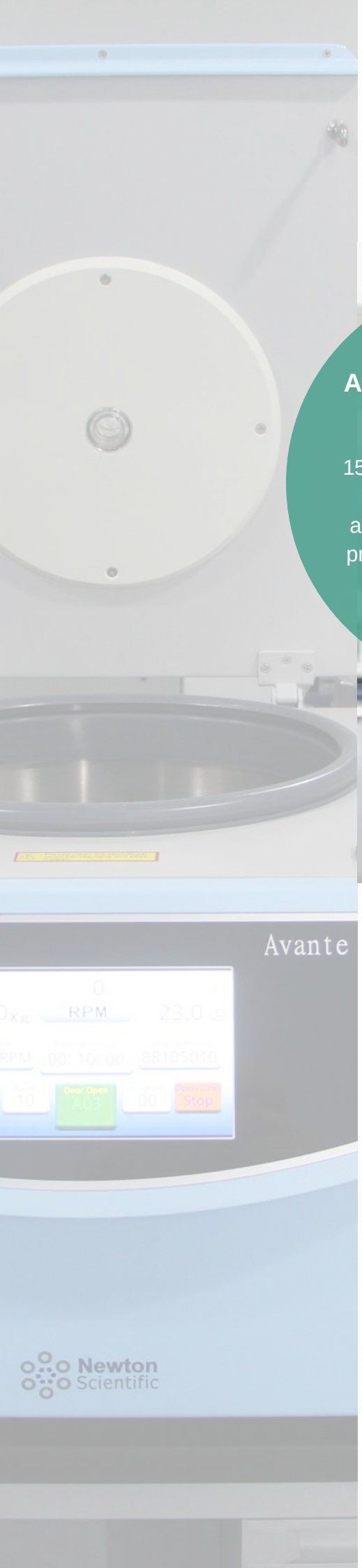
Newton Scientific

Avante 40 Series

4L MULTIFUNCTION CENTRIFUGE

CEN2605-BRO1840



Avante 40 Series Mutlifunction Centrifuge

Versatile, high-throughput sample processing from 196 x 2-7 ml blood tubes to 6 x 250 ml centrifuge bottles per run. Save time and ensure sample integrity with fast acceleration and deceleration rates, combined with smooth runs at all speeds.

Adjustable Acceleration and Deceleration

15 rates available for to ensure the unit provide the best acceleration and deceleration profile to ensure your samples get the best separation.

Ergonomic Design

Touchscreen interface with bright, highly visible, and durable display simplifies run set-up.

DISPLAY

Large Multi-color Touchscreen Display provide clear indication of running condition including rotor, speed, RCF, time etc.

The glove friendly touchscreen display gives you ease of control and a modern feel. An advanced microprocessor controls allow for setting/displaying of the rotational speed in either RPM or RCF. It is splash-proof and protects the inner electronics from external elements.

PERFORMANCE

There are 15 rates available for customised acceleration and deceleration profile plus zero brake for each of your programble). Ensuring your samples get the best separation. Frequency variable motor drive system enable the unit to operate in a stable and quiet manner. Pre-cool function allows set temperature to be reached rapidly.

Precise centrifugation is achieved using the "At set rpm" function. The timer starts when the selected rotational speed is reached. As a result, different runs can be more easily reproduced.

FLEXIBILITY

Our bench top high speed bench top centrifuges simplify high-throughput sample processing with up to **27,376 x g,** simplify high-throughput sample processing with maximized capacity up to 4 x 1000 ml bottles, and an extensive rotor portfolio. Supporting labware from blood vacutainer tubes, conical centrifuge tubes, bottles to microplates. Overcome challenges of a shared laboratory setting with the productivity, safety, and reliability of a Newton Scientific Centrifuge.

Precision metal components for both shaft and rotor ensure reliable performance and long life

CONVENIENT

Newton Scientific centrifuge enable the users to edit and store up to 99 programs with combination of speed, centrifugal force, running time, acceleration/ deceleration rate which is sufficient for all users in a lab.

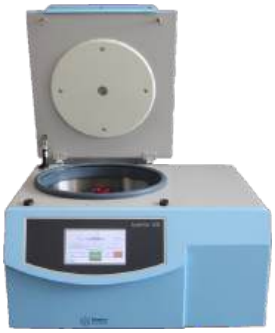
ECO MODE

The display and control panel go into standby after a set time (adjustable), screen dims leaving only time on. Holds the chamber at a moderate temperature when idle to reduce compressor cycles while still enabling fast cool-down when restarted.

SAFETY

Enhanced safety provided by electronic door lock and protection against imbalance, over speed and over heat. These three layers of protection ensure safety of the machine and user.

Ordering Information and Specifications

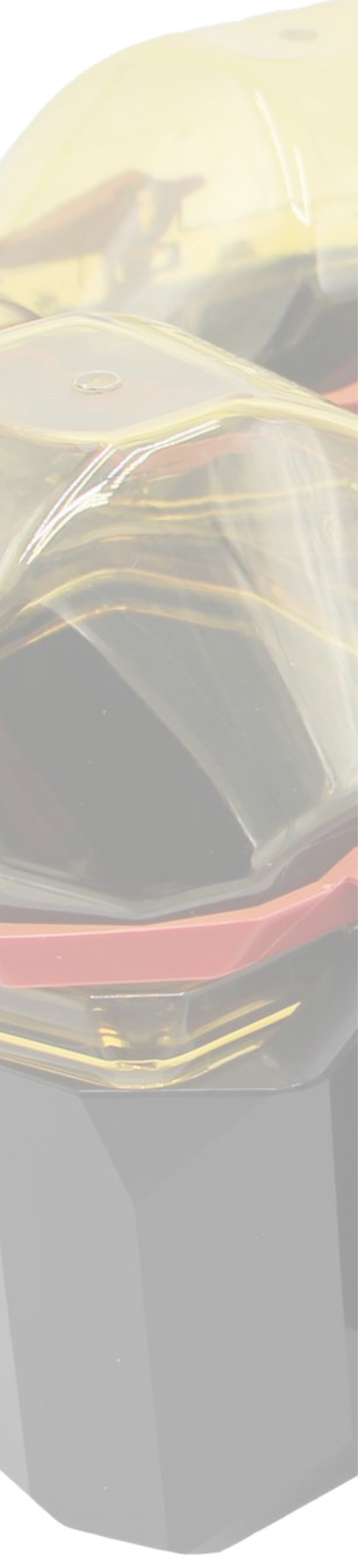


Model	Avante 40R	Avante 40FR
Cat. No.	88001840	88001841
Max. Speed	16000 rpm	
RPM Accuracy	±10 rpm	
Max. RCF	27,376 x g	
Max. Capacity	4 x 1000 ml	
Set Time	1 s to 99 h 59 m 59 s	
Temp. Range	-20 ℃ to 40 ℃	
Temp. Accuracy	±1.0 ℃	
Stored Programs	99	
Run Records	99	
Dimension	770 x 680 x 470 mm	580 x 720 x 820 mm
Weight	145 Kg	155 Kg
Power Supply	AC 200-240V, 50Hz	
Power (W)	2300W	
Sound Level	≤ 63dBA	

Angle Rotors & Accessories

Cat. No.	Descriptions	Max. Speed (RPM)	Max. RCF (x g)
88304815	Angle Rotor, 48 × 1.5/2.0 ml (Dual Row)	16,000	27,376
88303015	Angle Rotor, 30 × 1.5/2.0 ml	15,500	27,110
86005030	Adaptor, 0.2 ml PCR tube (24 pcs)		
86005031	Adaptor, 0.5 ml PCR tube (24 pcs)		
88301505	Angle Rotor, 18 × 5 ml	15,000	22,043
88300850	Angle Rotor, 8 x 50 ml Conical/Round (Includes 15ml Conical Adapters, 8 pcs)	12,000	16,241
88301250	Angle Rotor, 12 x 50 ml Conical/Round (Includes 15ml Conical Adapters, 12 pcs)	10,000	15,964
88213008	Adapters for 15 ml Con (1pc)		
88213009	Adapters for 10 ml (1 pc)		
88213010	Adapters for 5 ml (1 pc)		
88213011	Adapters for 1.5/2 ml (1 pc)		
88306100	Angle Rotor, 6 x 100 ml	11,000	14,779
88213012	Adapters for 50 ml (1 pc)		
88213013	Adapters for 15 ml (1 pc)		
88213014	Adapters for 2 x 10 ml (1 pc)		
88213015	Adapters for 3 x 5 ml (1 pc)		
88213016	Adapters for 4 x 1.5/2 ml (1 pc)		
88306250	Angle Rotor, 6 x 250 ml	10,000	15,132
88313075	Adapters for 100 ml (6 pcs)		
88313076	Adapters for 50 ml (6 pcs)		
88313077	Adapters for 15 ml (6 pcs)		
88313078	Adapters for 2 x 10 ml (6 pcs)		
88313079	Adapters for 3 x 5 ml (6 pcs)		
88313080	Adapters for 4 x 1.5/2 ml (6 pcs)		

*We provide custom solutions for specialise containers and vessels. Contact us with your requirement!



Swing Out Rotors & Accessories

Cat. No.	Descriptions	Max. Speed (RPM)	Max. RCF (x g)
88341000	Swing-out Rotor with 4 x 1000ml buckets	4,200	3,938
88341000	Swing-out Rotor with 4 x 1000ml buckets + Lids	4,200	3,938
88341001	Adapter for 50ml Conical (set of 4) - 40 tubes per run		
88341002	Adapter for 15ml Conical (set of 4) - 96 tubes per run		
88341014	Adapter for 4 × 1000ml Flat Bottom, Thermo Sci. Style		
88341003	Adapter for 4 × 750ml Flat Bottom		
88341004	Adapter for 4 × 500ml Flat Bottom		
88341005	Adapter for 4 × 500ml Conical, Corning Style		
88341006	Adapter for 4 × 250ml Conical, Corning Style		
88341007	Adapter for 8 × 250ml Flat Bottom, Nalgene Style		
88341008	Adapter for 140 × 10 ml Blood Tube		
88341009	Adapter for 196 × 2-7 ml Blood Tube		
88341010	Adapter for 450/500 ml Blood Bags (4 pcs)		
88341011	Deep Well Plate/MTP (set of 4)		

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CERTIFIED ISO 9001:2015 COMPANY