

Velocity 14 / 14R

Benchtop Centrifuges






The Velocity 14 / 14R centrifuges set a new benchmark in versatility and compactness. The clever design results in a compact footprint yet generous capacity which not only frees up precious bench space but also provides the flexibility to alternate from micro-volume centrifugation to medium-volume centrifugation and all at an impressive maximum speed of 14,000 RPM / 20,290xg (with the FA15C rotor). Furthermore the V14R incorporates powerful and efficient refrigeration whilst the absence of refrigeration in the Velocity 14 further reduces its footprint by at least 50% compared to that of the Velocity 14R.

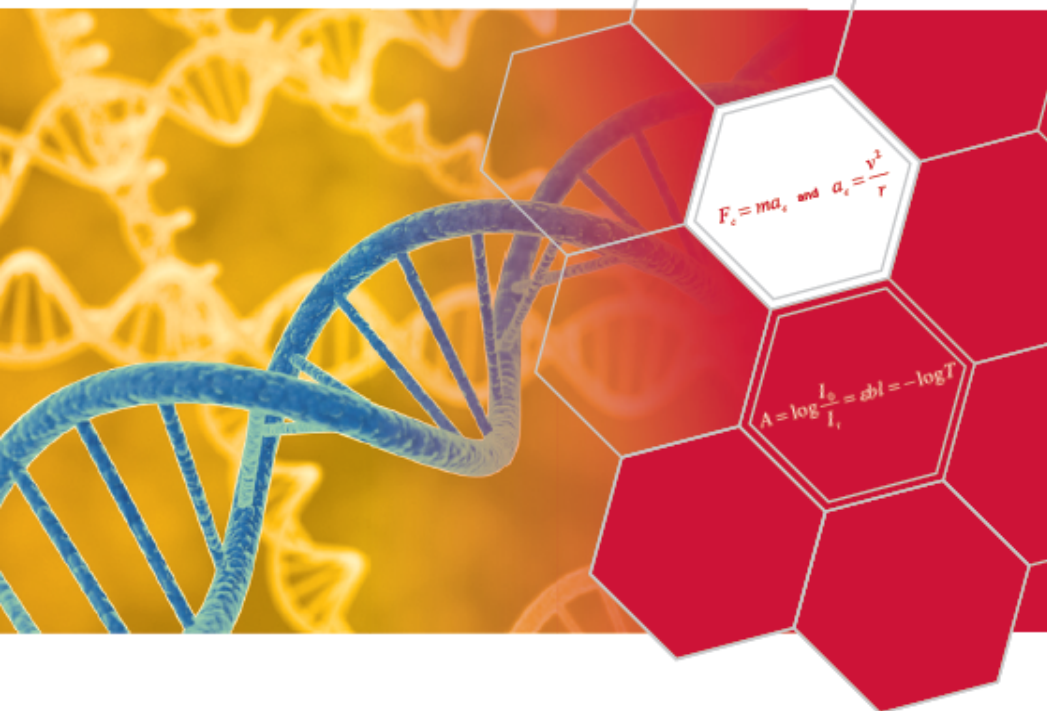
Features & Characteristics

- > Smart, Compact, 3-in-1 Design
- > Quick Set and Forget Rotor System
- > Auto Rotor Recognition
- > Fast Acceleration and Deceleration
- > High Imbalance Tolerances
- > Powerful Refrigeration (Velocity 14R model only)
- > Actual Sample (rotor) Temperature Measurement and Display (Velocity 14R only)
- > Safety is Paramount
- > User friendly operation and information rich display
- > Quiet Operation
- > Liquid Seeping Prevention

VELOCITY 14R & 14 ROTORS

	CAT. NO.# (rotor material)	V14R (V14) MAX SPEED (RPM)	V14R (V14) MAX RCF (XG)	TUBE VOLUME (ML)	TUBE DESCRIPTION	TUBE DIMENSIONS (ϕ x L) MM	CAPACITY	ADAPTOR
Fixed Angle Rotors								
	FA12A (Aluminium)	12,000 (12,000)	12,290 (12,290)	0.2	PCR single or strip	6 x 24	48 x 0.2 ml	N/A
	FA15A (Aluminium)	14,000 (14,000)	18,728 (18,728)	1.5 /2.0	Standard micro-tube	10.5 x 41	24 x 1.5/2.0 ml	N/A
	"	"	"	0.5	PCR single tube	8 x 32	24 x 0.5 ml	FA15A.05
	"	"	"	0.2	PCR single tube	6 x 24	24 x 0.2ml	FA15A.02
	FA11A (Aluminium)	11,000 (11,000)	12,000 (12,000)	1.5/ 2.0	Standard micro-tube	10.5 x 41	48 x 2 ml	N/A
	NEW							

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	CAT. NO.# (rotor material)	V14R (V14) MAX SPEED (RPM)	V14R (V14) MAX RCF (XG)	TUBE VOLUME (ML)	TUBE DESCRIPTION	TUBE DIMENSIONS (ϕ x L) MM	CAPACITY	ADAPTOR
Fixed Angle Rotors								
	FA14A (Aluminium) NEW	14,000 (14,000)	20,000 (20,000)	5	V Bottom	17 x 60	12 x 5 ml	N/A
	FA14B (Aluminium) NEW	14,000 (14,000)	20,000 (20,000)	5	Round Bottom	15 x 62	12 x 5 ml	N/A
	FA18A (Aluminium)	14,000 (14,000)	16,200 (16,200)	10	Round Bottom	16 x 81	8 x 10 ml	N/A
	FA18C (Aluminium) NEW	14,000 (14,000)	17,530 (17,530)	10	Round Bottom	16 x 81	10 x 10 ml	N/A
	FA15B (Aluminium)	14,000 (12,000)	18,990 (13,950)	50	Round Bottom	29 x 106	4 x 50 ml [#]	N/A
				15	Culture V Bottom	17 x 120	4 x 15 ml	FA15,15C
				15	Round Bottom	16.5 x 113	4 x 15 ml	FA15,15R
# Actual Capacity is around 40ml								
	FA15C (Aluminium)	14,000 (12,000)	20,290 (14,900)	50	Round Bottom	29 x 106	6 x 50 ml [#]	N/A
				15	Culture V Bottom	17 x 120	6 x 15 ml	FA15,15C
				15	Round Bottom	16.5 x 113	6 x 15 ml	FA15,15R
# Actual Capacity is around 40ml								
	FA14C' (Aluminium)	14,000 (10,000)	20,920 (10,600)	50	Culture V Bottom	29 x 115	4 x 50 ml	N/A
				15	Culture V Bottom	17 x 120	4 x 15 ml	FA14,15C
				15	Round Bottom	16.5 x 113	4 x 15 ml	N/A
Swing Bucket Rotors								
	SW4C' (Aluminium)	4,000 (4,000)	1,780 (1,780)	7	Blood collection	12 x 81	4 x 5 ml	Included
IntelliRotor								
	CF14A** (Carbon Fibre) NEW	14,000 (N/A)	17,750 (N/A)	0.2 ~ 50	← See next page →			





















* Please enquire if use in your existing unit.

** CF14A is not applicable to V14

IntelliRotor (For Velocity 14R only)

Features & Characteristics

- > Carbon Fibre Construction
- > Simply Set and Forget
- > Smart, Flexible Design Racks
- > Capacity and Volumes

Rotor	Rack	Type
IntelliRotor CF14A 	 60 x 24L(mm) AR002-64 8x8-Strip PCR Tube 14,000rpm/Outer row RCF:15,780G/ Inner row RCF:14,240G	 S
	 5,70 x 50L(mm) AR004-24 24x0.4ml 14,000rpm/17,750G	
Max Capacity 3xS 	 7,90 x 31L(mm) AR005-24 24x0.5ml 14,000rpm/17,310G	 M
	 110 x 42L(mm) AR015-24 24x2ml 14,000rpm/17,750G	
OR 1xM + 1xS 	 25.50 x 94.3L(mm) AR2015-SC24 24x2ml 14,000rpm/17,750G	 L
	 150 x 59L(mm) AR300-06 6x30ml 14,000rpm/17,750G	
OR 1xL 	 170 x 100L(mm) AR050-12 12x5ml 14,000rpm/17,530G	 Optional adapter A96-01PC is required.
	 126 x 85(mm) AR141-08 8x14ml 14,000rpm/17,750G	
	 170 x 120L(mm) AR150-08 8x15ml 14,000rpm/17,750G	
	 290 x 115L(mm) AR510-04 4x50ml or 15ml 14,000rpm/17,750G	
	 28.80 x 107L(mm) AR501-04 4x50ml or 14ml 14,000rpm/17,530	
	 126 x 85(mm) PCR96-02 2x96 Well PCR Plate 14,000rpm/15,340G	

VELOCITY 14R & 14 SPECIFICATIONS

MODEL	V14R	V14
Maximum Speed	14,000 RPM (FA15C rotor)	14,000 RPM (FA15A rotor)
Maximum RCF	20,290 x g (FA15C rotor)	18,728 x g (FA15A rotor)
Maximum Capacity	300 ml (6 x 50 ml)	
Drive Mechanism	Brushless Induction	
Control	Microprocessor based	
Speed Range	300-14,000 RPM (100 RPM increments)	
Speed Accuracy	±20 RPM	
Speed / RCF Conversion	Yes	
Timer	1 min - 99 Hrs 59 mins plus HOLD function	
Display	Backlit LCD	
Operating Noise	<58dB (A)	<53dB (A)
Temperature Range	-20°C to +40°C	-
Temperature Accuracy	±2°C	-
Acceleration/Deceleration	9 stages / 9 stages	
Automatic Rotor Identification	Yes	
Imbalance Detection	Yes	
Dimensions (L x D x H)	560 x 500 x 380 mm	340 x 490 x 380 mm
Weight (Net)	60 Kg	40 Kg
Power Supply	Single Phase AC220V, 50Hz, 10A AC220V, 60Hz AC110V, 60Hz	Single Phase AC220V, 50Hz/60Hz, 8A AC110V, 60Hz