

Dynamica



The VELOCITY Range

REFRIGERATED HIGH SPEED CENTRIFUGE

VELOCITY 30R

RE^{VO}LUTION



VELOCITY 30R

Refrigerated High Speed Centrifuge

The Velocity 30R delivers high speed (up to 30,000rpm), high capacity (up to 1.5L), centrifugation with a powerful refrigeration (down to -20°C).

High Speed

V30R is a floor space saving benchtop unit with a maintenance free induction drive provide a high speed 30,000 rpm centrifugation.

Auto Rotor Recognition

Automatic rotor recognition and confirmation provide rotor information and use for over speed protection.

Simple Operation

The jog-dial design is good for one hand operation and quick parameter changing. 99 program storage is best for working in a laboratory that requires various operating condition. The built-in rpm to rcf conversion function allows selecting the centrifugation parameter by speed or g-force.

Power Refrigeration

A powerful CFC free refrigeration system cools the chamber quickly and maintain the rotor at set temperature while spinning. The pre-cooling program makes the operation procedure easier by cooling the rotor inside the centrifuge without the problem of cooling the rotor in a fridge.

Safety Features

Various safety protection are equipped in Velocity 30R.

Motor driven lid lock ensures door is closed prior to centrifugation

Imbalance detection and shutdown

Overspeed detection and shutdown











Quiet Operation

The good insulation and lower noise fans contribute a <60dBA noise level at maximum speed.

VELOCITY 30R SPECIFICATIONS

MODEL	V30R
Maximum Speed	30,000 RPM
Maximum RCF	65,390 x g
Maximum Capacity	1,500 ml (6 x 250 ml)
Drive Mechanism	Induction drive
Control	Microprocessor
Speed Range	200-30,000 RPM (10 RPM increments)
Speed Accuracy	±1%
Speed / RCF Conversion	Yes
Timer	30 sec - 99 hrs 59 mins plus HOLD function
Display	LCD
Operating Noise	<60dB (A)
Temperature Range	-20°C to +40°C (1°increment)
Temperature Accuracy	±2°C
Memory	99
Acceleration/Deceleration	10/10
Automatic Rotor Identification	Yes
Imbalance Detection	Yes
Dimensions (L x D x H) mm	715 x 510 x 420
Weight	91 Kg
Power Consumption	2990 W
Power Supply	230V 50/60Hz

VELOCITY 30R ROTORS

	CAT. NO.# (rotor material)	MAX SPEED (RPM)	MAX RCF (XG)	TUBE VOLUME (ML)	TUBE DESCRIPTION	TUBE DIMENSIONS (dia X L) MM	CAPACITY	ADAPTOR
Fixed Angle Rotor								
	FAS30A (Aluminium)	30,000	65,390	1.5	Microtube	1.5 ml adaptor for above 20,000 xg	12 x 1.5 ml	704.011
				0.5	PCR Tube	8 x 32	12 x 0.5 ml	704.005
				0.4	PCR Tube	6 x 50	12 x 0.4 ml	704.004
	FAS21A (Aluminium)	21,000	41,410	50	Round Bottom	29 x 95/115	6 x 50 ml	N/A
				30	Round Bottom	25 x 92/95	6 x 30 ml	708.019
				16	Round Bottom	18 x 100/105	6 x 16 ml	708.003
				15	Round Bottom	17 x 100/105	6 x 15 ml	708.004
				15	Culture V Bottom	17.5 x 116/125	6 x 15 ml	708.017
	FAS20A (Aluminium)	20,000	41,140	80	Round Bottom	38 x 113	4 x 80 ml	N/A
				50	Culture V Bottom	29 x 118	4 x 50 ml	707.004
				50	Round Bottom	29 x 105	4 x 50 ml	707.003
				30	Round Bottom	25 x 90/103	4 x 30 ml	707.002
				15	Culture V Bottom	17 x 120	4 x 15 ml	707.014
				15	Round Bottom	17 x 103/110	4 x 15 ml	707.001
	FAS20B (Aluminium)	20,000	42,030	1.5	Microtube	1.5 ml adaptor for above 20,000 xg	30 x 1.5 ml	704.011
				0.5	PCR Tube	8 x 32	30 x 0.5 ml	704.005
				0.4	PCR Tube	6 x 50	30 x 0.4 ml	704.004
	FAS16A (Aluminium)	16,000	28,040	10	Round Bottom	16 x 80	20 x 10 ml	N/A
	FAS12A (Aluminium)	12,000	18,510	80	Round Bottom	38 x 113	6 x 80 ml	N/A
				50	Culture V Bottom	29 x 118	6 x 50 ml	707.004
				50	Round Bottom	29 x 105	6 x 50 ml	707.003
				30	Round Bottom	25 x 90/103	6 x 30 ml	707.002
				15	Culture V Bottom	17 x 120	6 x 15 ml	707.014
				15	Round Bottom	17 x 103/110	6 x 15 ml	707.001
	FAS10A (Aluminium)	10,000	15,650	250	Bottle	62 x 122	6 x 250 ml	N/A
				50	Culture V Bottom	29 x 118	6 x 50 ml	713.042
				50	Round Bottom	29 x 105	6 x 50 ml	713.030
				30	Round Bottom	26 x 92	12 x 30 ml	713.028
				15	Culture V Bottom	17 x 120	24 x 15 ml	713.025
				10	Round Bottom	16 x 80	30 x 10 ml	713.020
				1.5	Microtube	11 x 40	48 x 1.5 ml	713.015
	FAS5A* (Plastic)	4,500	2,830	15	Glass Tube	17.5 x 95/115	30 x 15 ml	701.010
				7	Round Bottom	13.5 x 95/115	30 x 7 ml	701.011
				5	RIA/Round Bottom	13.5 x 70/90	30 x 5 ml	701.012
Swing Bucket Rotor								
	SWS5MP (Aluminium)	4,500	2,720	96 Well Microplates		128W x 86L x 14H	6 x Plates	N/A
				1.5 (2.0)	Microtube		48 x 1.5/2.0ml	706.000
	SWS4A (Aluminium rack)	4,000	2,990	250	Bottle	62 x 110/130	4 x 250 ml	628.000
				100	Round Bottom	41 x 95/120	4 x 100 ml	628.001
				50	Round Bottom	34 x 100/120	4 x 50 ml	628.008
				50	Round Bottom	29 x 95/120	12 x 50 ml	628.002
				50	Culture V Bottom	29 x 120	12 x 50 ml	628.005
				50	Skirted Bottom	29 x 100/120	8 x 50 ml	628.006
				25	Round Bottom	24.5 x 100/120	20 x 25 ml	628.003
				25	Skirted Bottom	24.5 x 85/100	12 x 25 ml	628.010
				15	Round Bottom	17 x 76/115	36 x 15 ml	628.004
				15	Culture V Bottom	17 x 95/120	28 x 15 ml	628.007
				15	Skirted Bottom	17 x 100/120	28 x 15 ml	628.011
				10	Round Bottom	16 x 80/100	32 x 10 ml	628.012
				9	Round Bottom	14 x 76/115	36 x 9 ml	628.004
				5-7	Round Bottom	13 x 65/120	56 x 5 - 7 ml	628.013
				1.6-7	Round Bottom	13 x 75/120	40 x 1.6 - 7 ml	628.014
4-10	Round Bottom	16 x 75/100	32 x 4 - 10 ml	628.015				
2.6-5	Sarstedt Monovette	13 x 65/100	40 x 2.6 - 5 ml	628.014				
4-10	Sarstedt Monovette	15 x 75/100	32 x 4 - 10 ml	628.015				
1.5-2.0	Microtube	11 x 38	36 x 1.5 - 2.0 ml	628.016				

Remark : Rotors are autoclavable at 121°C except with *



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