



VARISPIN 12 MULTI CENTRIFUGE

Multi purpose centrifuge with the combined advantage of capacity & space



● ● ● STANDARD SPECIFICATION



Max. RPM	12,000RPM(Angle Rotor)	4,000RPM(Swing Rotor)
Max. RCF	16,647 xg	3,461 xg
Max. Capacity	85ml x 6	250ml x 4
Accel / Decel phase	0 ~ 9 (10 Step)	
Noise Level	≤60dB	
Set Time	99 hour 59 min 59sec or continuous	
Time Count	From start / From set-up RPM	
Program	100 memory	
Rotor ID	Automatic Recognition	
Display	4.3" LCD Touch Screen	
RPM Range	400 to 12,000 RPM	
Display message on screen	RPM, RCF, Time, Door open/close, ACC, DEC, Rotor ID, Program	
Available Rotor Quantity	11	
Power Supply	V12-MB	AC 230V ± 10%, 50-60Hz, 1Phase
	V12-MBT	AC 1200V ± 10%, 50-60Hz, 1Phase
	V12-MBJ	AC 100V ± 10%, 50-60Hz, 1Phase
Power Consumption	1,300W	
Dimension(W x D x H)	496 x 657 x 360 mm (H:895mm with open lid)	
Weight (without rotor)	55kg	

● ● ● MAIN FEATURE

● Wide Range of Application

Various rotor options for multiple purposes in different users

● CRYSTE FLIP™ Touch Controller

- User-friendly 4.3" full color touch LCD controller helps to set the parameter at modern way
- All set points are visible at a glance and setting is easy
- Touch pad lock doesn't allow misuse during operation

● Silent Operation

Well-balanced motor minimized vibration, which leads to the most silent operation

● Biocontainment Rotor/Bucket Option

- Option for handling biohazardous materials
- Biocontainment sealing buckets are certified by TUV NORD in compliance with IEC61010-2-020:2016, Annex AA

● Space Efficient Design

- Maximized rotor capacity under optimized size
- Cost saving choices for multiple applications

● A Variety of Tubes Applicable

- Various sizes of tube are available from 0.2ml to 250ml
- Proper tube adaptors are selectable

● Energy Saving

- Pre-set energy saving mode can help to reduce the electrical operating cost
- Unnecessary operation without the real-use can be controlled by Standby Mode

● Ideal Security

Unauthorized access is prohibited through password

● ● ● ORDER INFORMATION

	ITEM	DESCRIPTIONS	ORDER CODE
Main Body	VARISPIN 12	VARISPIN 12, without rotor, 230V/50~60Hz	V12-MB
	VARISPIN 12	VARISPIN 12, without rotor, 110V/50~60Hz	V12-MBT
	VARISPIN 12	VARISPIN 12, without rotor, 100V/50~60Hz	V12-MBJ
Angle Rotor	A480.2T	0.2ml x 48 fixed angle rotor for PCR tubes(x6 PCR strips) (Max 12,000RPM)	V12-AR1
	A301.5T	1.5/2.0ml x 30 fixed angle rotor (Max 12,000RPM)	V12-AR2
	A481.5T	1.5/2.0ml x 48 fixed angle rotor (Max 12,000RPM)	V12-AR3
	A1215T	15ml x 12 fixed angle rotor (Max 12,000RPM)	V12-AR4
	A1215TC	15ml x 12 fixed angle rotor for conical tubes (Max 12,000RPM)	V12-AR5
	A650T	50ml x 6 fixed angle rotor (Max 12,000RPM)	V12-AR6
	A650TC	50ml x 6 fixed angle rotor for conical tubes (Max 12,000RPM)	V12-AR7
	A850T	50ml x 8 fixed angle rotor (Max 12,000RPM)	V12-AR8
	A685T	85ml x 6 fixed angle rotor (Max 12,000RPM)	V12-AR9
Swing Rotor	S4250TE	250ml x 4-wing swing rotor for rectangular/micro plate buckets (Max 4,000RPM)	V12-SR1
	S4250T	250ml x 4-wing swing rotor for round buckets (Max 4,000RPM)	V12-SR2

●●● AVAILABLE ANGLE ROTORS

LAB.SAFETY













CENTRIFUGES

LAB.BASIC

Rotor								
	Fixed Angle Rotor $\angle 45^\circ$ 48 x 0.2ml Radius(mm) : 83.5		Fixed Angle Rotor $\angle 45^\circ$ 30 x 1.5ml Radius(mm) : 94.8			Fixed Angle Rotor $\angle 45^\circ$ 48 x 1.5ml Radius(mm) : 94.8		
Item	A480.2T		A301.5T			A481.5T		
Tube								
Volume (ml)	0.2	0.2ml Strips	0.2	0.5	1.5 / 2.0	0.2	0.5	1.5 / 2.0
Adaptor / tube rack								
Item			F1.5A-0.2	F1.5A-0.5		F1.5A-0.2	F1.5A-0.5	
Number per rack / rotor	48	6	30	30	30	48	48	48
Adaptor bore (mm)	6.5	6.5	6.5	8	11	6.5	8	11
Max. height for use (mm)	-	-	44	52	61	In 51 Out 44	In 62 Out 54	In 70 Out 61
RPM	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000
Radius (mm)	83.5	83.5	80.3	86.7	94.8	In 70.3 Out 80.3	In 76.7 Out 86.7	In 84.8 Out 94.8
RCF	13,443	13,443	12,928	13,958	15,262	In 11,318 Out 12,928	In 12,348 Out 13,958	In 13,652 Out 15,262

Rotor								
	Fixed Angle Rotor $\angle 28^\circ$ 12 x 15ml Radius(mm) : 97.1		Fixed Angle Rotor $\angle 25^\circ$ 12 x 15ml Conical Radius(mm) : 100.9		Fixed Angle Rotor $\angle 30^\circ$ 6 x 50ml Radius(mm) : 99.9		Fixed Angle Rotor $\angle 25^\circ$ 6 x 50ml Conical Radius(mm) : 95.7	
Item	A1215T		A1215TC		A650T		A650TC	
Tube								
Volume (ml)	15(16)		15 Conical		15 Conical	50	15 Conical	50 Conical
Adaptor / tube rack								
Item					F50A-15C		F50CA-15C	
Number per rack / rotor	12		12		6	6	6	6
Adaptor bore (mm)	19		17		17	29.5	17	30
Max. height for use (mm)	117		129		122	120	124	121
RPM	12,000		12,000		12,000	12,000	12,000	12,000
Radius (mm)	97.1		100.9		94.3	99.9	91.3	95.7
RCF	15,632		16,244		15,182	16,083	14,699	15,407

••● AVAILABLE ANGLE ROTORS

Rotor	 Fixed Angle Rotor ∠30° 8 x 50ml Radius(mm) : 103.4		 Fixed Angle Rotor ∠25° 6 x 85ml Radius(mm) : 99.8			
Item	A850T		A685T			
Tube						
Volume (ml)	15 Conical	50	15 Conical	50 Conical	50	85
Adaptor / tube rack						
Item	F50A-15C		F85A-15C	F85A-50C	F85A-50	
Number per rack / rotor	8	8	6	6	6	6
Adaptor bore (mm)	17	29.5	17	30	29	39
Max. height for use (mm)	123	120	123	122	118	118
RPM	12,000	12,000	12,000	12,000	12,000	12,000
Radius (mm)	97.8	103.4	90.7	94.8	95.3	99.8
RCF	15,745	16,647	14,602	15,262	15,343	16,067

CRYSTE FLIP

Modern touching way as in your smart phone,
Stop reading operating manual
whenever setting newly.

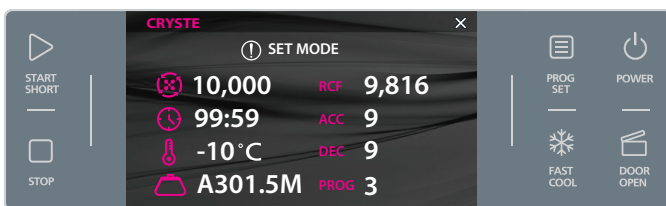


Applicable model

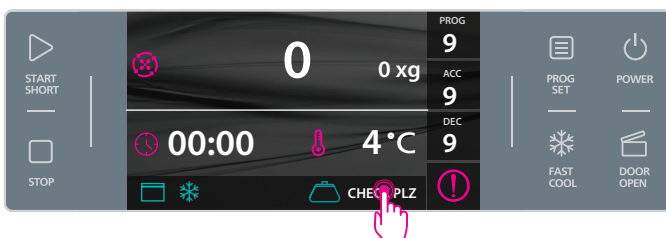
PURISPIN 18R @ VARISPIN 15R @ VARISPIN 12R @
PURISPIN 17R @ VARISPIN 15 @ VARISPIN 12 @



Easy to load the saved program



Easy to check the set value at a time



Easy to recognize the new rotor name

More features optimized for everyday use.

Setting

- Set for RPM/RCF
- Set for Time
- Set for Temperature (in refrigerated model)
- Set for acceleration / Deceleration
- Activate automatic rotor identification
- Save each program (up to 100 spaces)
- Activate/inactivate touch screen key lock

Indication icons

- Door status
- Refrigeration status (in refrigerated model)
- Rotor name
- Key lock status
- Enter the set parameter Indication screen

Alarm Function

- Display alarm message in malfunctioning

Mode

- Modify user password
- LCD bright level adjustment
- Activate/inactivate buzzer
- Change the time count method
- Activate/inactivate standby mode & adjust standby time
- Activate/inactivate eco shut OFF mode & adjust its time (in refrigerated model)