

CRYSTE

MULTI CENTRIFUGE VARISPIN 12R



Refrigerated multi purpose centrifuge with the combined advantage of capacity & space-saving

STANDARD SPECIFICATION



Max. RPM	12,000RPM(Angle Rotor)	5,000RPM(Swing Rotor)
Max. RCF	16,647 xg	4,947 xg
Max. Capacity	85ml x 6	250ml x 4
Accel / Decel phase	0 ~ 9 (10 Step)	
Set Temp.	-10°C ~ +40°C (1°Cincrements)	
Ref. System	Non-CFC	
Noise Level	≤60dB	
Set Time	99 hour 59 min 59sec or continuous	
Time Count	At set Speed or from starting	
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, Temp ACC, DEC, Rotor ID, Program, Comp. On/Off, Key lock	
Available Rotor Quantity	14	
Power Supply	V12R-MB	AC 230V ± 10%, 50-60Hz, 1Phase
Power Consumption	2KW	
Dimension(W x D x H)	681 x 656 x 372 (H:895mm with open lid)	
Weight (without rotor)	86kg	

MAIN FEATURE



Various tubes available

Various tubes from 0.2ml to 250ml are available, suitable tube adapters can be selected.



Accurate and stable temperature maintenance function

Through efficient refrigeration control technology and internal design that minimizes the frictional heat of the rotor, it guarantees safe testing of temperature-sensitive samples.
(Applicable model : VARISPIN 15R & VARISPIN 12R).



CRYSTE FLIP
Touch Controller



BIO
Biocontainment
Accessory Package



Wide Range of Application



Silent Operation















Energy Saving





















AVAILABLE ANGLE ROTORS

Rotor	Fixed Angle Rotor ∠45° 48 x 0.2ml Radius(mm) : 83.5		Fixed Angle Rotor ∠45° 30 x 1.5ml Radius(mm) : 94.8			Fixed Angle Rotor ∠45° 30 x 1.5ml Radius(mm) : 94.8 Aerosol-tight AXLOCK			Fixed Angle Rotor ∠45° 48 x 1.5ml Radius(mm) : 94.8		
Item	A480.2T		A301.5T			AS301.5TX ¹⁾			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	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		F1.5A-0.2	F1.5A-0.5	
Number per rack / rotor	48	6	30	30	30	30	30	30	48	48	48
Adaptor bore (mm)	6.5	6.5	6.5	8	11.1	6.5	8	11.1	6.5	8	11.1
Max. height for use (mm)	-	-	44	52	61	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	12,000	12,000	12,000
Radius (mm)	83.5	83.5	80.3	86.7	94.8	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	12,928	13,958	15,262	In 11,318 Out 12,928	In 12,348 Out 13,958	In 13,652 Out 15,262

• 1) This rotor is not externally certified and have only been self-tested for bioseal sealing.

























AVAILABLE SWING ROTORS

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
















Rotor	 Fixed Angle Rotor $\angle 30^\circ$ 8 x 50ml Radius(mm) : 103.4	 Fixed Angle Rotor $\angle 25^\circ$ 6 x 85ml Radius(mm) : 99.8	 Fixed Angle Rotor $\angle 25^\circ$ 6 x 85ml Radius(mm) : 99.8	Aerosol-tight AXLOCK						
Item	A850T	A685T	A685TX ²⁾							
Tube										
Volume (ml)	15 Conical	50	15 Conical	50 Conical	50	85	15 Conical	50 Conical	50	85
Adaptor / tube rack										
Item	F50A-15C	F85A-15C	F85A-50C	F85A-50	F85A-15C	F85A-50C	F85A-50			
Number per rack / rotor	8	8	6	6	6	6	6	6	6	6
Adaptor bore (mm)	17	29.5	17	30	29	39	17	30	29	39
Max. height for use (mm)	123	120	123	122	118	118	123	122	118	118
RPM	12,000	12,000	12,000	12,000	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	90.7	94.8	95.3	99.8
RCF	15,745	16,647	14,602	15,262	15,343	16,067	14,602	15,262	15,343	16,067

• 2) This rotor is not externally certified and have only been self-tested for bioseal sealing.





















AVAILABLE SWING ROTORS

S4250TE	EB250		EBS250 ³⁾								BW250	
												
	S250ET-3-12	S250ET-5-12	S250ET-10-12	S250ET-15-12	S250ET-15C-9	S250ET-50-4	S250ET-50C-3	S250ET-85-2	S250EA-250			
												
Swing Out Rotor Max. RPM : 4,000 Radius(mm) : 182.5 Max. RCF : 3,265												
Capacity (ml)	3	5	10	15	15 Conical	50	50 Conical	85	250	MTP	DWP	
Number per rack / rotor	12/48	12/48	12/48	12/48	9/36	4/16	3/12	2/8	1/4	4/16	1/4	
Adaptor bore (mm)	13.2	13.2	16	17.2	17	29.5	29.5	38.5	62.5	-	-	
Max. height for use (mm)	124	124	124	124	127	124	127	124	138	-	-	
RPM	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	
Radius (mm)	177.5	177.5	177.5	177.5	180.7	177.5	180.5	177.5	180.5	153.5	153.5	
RCF	3,175	3,175	3,175	3,175	3,232	3,175	3,229	3,175	3,229	2,746	2,746	

• 3) EBS250 : certified for dynamic microbiological test(EN61010-020) by TUV NORD

S4250T	B250						
							
	S250T-5-8	S250T-10-7	S250T-15-5	S250T-15C-4	S250T-50-2	S250A-50C	-
							
Swing Out Rotor Max. RPM : 4,500 Radius(mm) : 193.5 Max RCF : 4,381							
Volume (ml)	5	10	15	15 Conical	50	50 Conical	250
Number per rack / rotor	8/32	7/28	5/20	4/16	2/8	1/4	1/4
Adaptor bore (mm)	13.5	16	17.5	17	29.5	30	62.0
Max. height for use (mm)	145	145	145	148	145	150	150
RPM	4,500	4,500	4,500	4,500	4,500	4,500	4,500
Radius (mm)	190.5	190.5	190.5	193.5	190.5	193.5	193.5
RCF	4,313	4,313	4,313	4,381	4,313	4,381	4,381

AVAILABLE SWING ROTORS

S4100T	B100									
										
	S100T-1.5-6	S100T-5-5	S100T-10-4	S100T-15-3	S100T-15C-3	S100A-50	S100A-50C	S100A-85	S100A-100	
										
										
Swing Out Rotor Max. RPM : 5,000 Radius(mm) : 177 Max. RCF : 4,947										
Volume (ml)	1.5	5	10	15	15 Conical	50	50 Conical	85	100	
Number per rack / rotor	6/24	5/20	4/16	3/12	3/12	1/4	1/4	1/4	1/4	
Adaptor bore (mm)	11	13.5	16	17.5	17	29.5	30	38.5	44	
Max. height for use (mm)	130	130	130	130	133	130	133	130	130	
RPM	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	
Radius (mm)	174	174	174	174	177	174	177	174	174	
RCF	4,683	4,683	4,683	4,683	4,947	4,683	4,947	4,683	4,683	

ORDER INFORMATION

	ITEM	DESCRIPTIONS
Main Body	VARISPIN 12R	VARISPIN 12R, refrigerated, without rotor, AC 230V ±10% 50/60Hz, EU Standard Plug
Angle Rotor	A480.2T	0.2ml x 48 fixed angle rotor for PCR tubes(x6 PCR strips) (Max 12,000RPM)
	A301.5T	1.5/2.0ml x 30 fixed angle rotor (Max 12,000RPM)
	AS301.5TX	1.5-2.0ml x 30 fixed aerosol-tightness angle rotor with AXLOCK rotor(12,000RPM)
	A481.5T	1.5/2.0ml x 48 fixed angle rotor (Max 12,000RPM)
	A1215T	15ml x 12 fixed angle rotor (Max 12,000RPM)
	A1215TC	15ml x 12 fixed angle rotor for conical tubes (Max 12,000RPM)
	A650T	50ml x 6 fixed angle rotor (Max 12,000RPM)
	A650TC	50ml x 6 fixed angle rotor for conical tubes (Max 12,000RPM)
	A850T	50ml x 8 fixed angle rotor (Max 12,000RPM)
	A685T	85ml x 6 fixed angle rotor (Max 12,000RPM)
AS685TX	85ml x 6 fixed aerosol-tightness angle rotor with AXLOCK rotor(12,000RPM)	
Swing Rotor	S4250TE	250ml x 4-wing swing rotor for rectangular/micro plate buckets (Max 4,000RPM)
	S4250T	250ml x 4-wing swing rotor for round buckets (Max 4,500RPM)
	S4100T	100ml x 4-wing swing rotor for round buckets (Max. 5,000RPM)