

VARISPIN 15R

Refrigerated multi purpose centrifuge with large capacity and a variety of rotor options

**STANDARD SPECIFICATION**

Description	VARISPIN 15R	
Max. RPM	15,000RPM(Angle Rotor)	5,000RPM(Swing Rotor)
Max. RCF	23,847 xg	4,947 xg
Max. Capacity	250ml x 4	750ml x 4
Accel / Decel phase	0 ~ 9 (10 Step)	
Set Temp.	-10°C ~ +40°C (1°C increments)	
Ref. System	Non-CFC	
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 15,000 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	17	
Power Supply	AC 230V ± 10%, 50-60Hz, 1Phase	
Power Consumption	2.5KW	
Dimension(W x D x H)	765 x 687 x 375 mm (H:915mm with open lid)	
Weight (without rotor)	95kg	
Cat. No.	CS-C-T15R-MB	
For Eco(lower GWP)	CS-C-T15R-MB_R1	

MAIN FEATURE



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.



Biocontainment Accessory Package

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



Wide Range of Application

Various rotor options for multiple purpose in different users.



Refrigeration & Fast Cooling



Various Tube Available



Accurate and stable temperature maintenance function



Silent Operation



Energy Saving



AC Induction motor (brushless)

AVAILABLE ANGLE ROTORS

Rotor	A480.2T		A241.5T			A301.5T			AS301.5TX ¹⁾			A481.5T								
																				
	Fixed Angle Rotor ∠45° 48 x 0.2ml Radius(mm) : 83.5		Fixde Angle rotor ∠ 45° 24 x 1.5ml Radius(mm) : 84.8			Fixed Angle Rotor ∠45° 30 x 1.5ml Radius(mm) : 94.8			Fixed Angle Rotor ∠45° 30 x 1.5ml Radius(mm) : 94.8			Fixed Angle Rotor ∠45° 48 x 1.5ml Radius(mm) : 94.8								
									Aerosol-tight AXILLOCK											
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	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	24	24	24	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	6.5	8	11.1						
Max. height for use (mm)	-	-	44	51	61	44	52	61	44	52	61	In 51 Out 44	In 62 Out 54	In 70 Out 61						
RPM	12,000	12,000	15,000	15,000	15,000	12,000	12,000	12,000	15,000	15,000	15,000	13,000	13,000	13,000						
Radius (mm)	83.5	83.5	70.3	76.7	84.8	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	17,684	19,294	21,331	12,928	13,958	15,262	20,199	21,809	23,847	In 13,283 Out 15,172	In 14,492 Out 16,381	In 16,022 Out 17,912						

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

AVAILABLE ANGLE ROTORS

Rotor	A1215T	A1215TC	A650T		A650TC	
						
	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	
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)	18	17	17	29.5	17	30
Max. height for use (mm)	117	129	122	120	124	121
RPM	12,000	13,000	12,000	12,000	13,000	13,000
Radius (mm)	97.1	100.9	94.3	99.9	91.3	95.7
RCF	15,632	19,064	15,182	16,083	17,250	18,082

Rotor	A850T		A685T				AS685TX 2)			A4250T	
											
	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			Fixed Angle rotor $\angle 25^\circ$ 4 x 250ml Radius(mm) : 128.3	
							Aerosol-tight AXILOCK				
Tube											
Volume (ml)	15 Conical	50	15 Conical	50 Conical	50	85	15 Conical	50 Conical	50	85	250
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	4
Adaptor bore (mm)	17	29.5	17	30	29	39	17	30	29	39	62.0
Max. height for use (mm)	123	120	123	122	118	118	123	122	118	118	123
RPM	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	8,000
Radius (mm)	97.8	103.4	90.7	94.8	95.3	99.8	90.7	94.8	95.3	99.8	128.3
RCF	15,745	16,647	14,602	15,262	15,343	16,067	14,602	15,262	15,343	16,067	9,180

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

AVAILABLE SWING ROTORS

S4250TE	EB250	EBS250 ³⁾									BW250
											
	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	9/36	4/16	3/12	2/8	1/4	4/16	1/4
Adaptor bore (mm)	13.2		16	17.2	17	29.5	29.5	38.5	62.5	-	-
Max. height for use (mm)	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
Radius (mm)	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	3,232	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

S4750T	B750	BS750 4)								B500	BW750			
														
	BEST											BEST		
	S750T-5-24		S750T-10-19		S750T-15-19		S750T-15C-14		S750T-50-7		S750T-50C-5		S750A-250	
														
	BEST				BEST		BEST							
Swing Out Rotor Max. RPM : 4,000 Radius(mm) : 205 Max. RCF : 3,667														
Capacity (ml)	3	5	10	15	15 Conical	50	50 Conical	250	750	500	MTP	DWP		
Number per rack / rotor	24/96		19/76	19/76	14/56	7/28	5/20	1/4	1/4	1/4	4/16	1/4		
Adaptor bore (mm)	13.2		16	17.2	17	29.5	29.5	62.5	-	70	-	-		
Max. height for use (mm)	136		136	136	134	136	140	161	143	165	-	-		
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)	198		198	198	196	198	202	205	205	213	170	170		
RCF	3,542		3,542	3,542	3,506	3,542	3,613	3,667	3,667	3,810	3,041	3,041		

• 4) BS750 : certified for dynamic microbiological test(EN61010-020) by [TUV NORD](#)

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	Cat. No.
Main Body	VARISPIN 15R 230V±10%, 50-60Hz, 1Phase, Eu Plug, 765x687x375mm, 95Kg	CSC-T15RMB
	VARISPIN 15R 230V±10%, 50-60Hz, 1Phase, Eu Plug, 765x687x375mm, 95Kg, including Eco(lower GWP) refrigerant, EU Standard Plug	CSC-T15RMB,R1
Angle Rotor	A480.2T 0.2ml x 48 fixed angle rotor for PCR tubes (x 6 PCR strips) (Max 12,000RPM)	CSC-T10010
	A241.5T 1.5-2.0ml x 24 fixed angle rotor (≤15,000RPM in VARISPIN (L)15R/15, ≤12,000RPM in VARISPIN (L)12R/12)	CSC-T10130
	A301.5T 1.5-2.0ml x 30 fixed angle rotor (Max 12,000RPM)	CSC-T10020
	AS301.5TX 1.5-2.0ml x 30 fixed aerosol-tightness angle R (Axlock, ≤15,000RPM in V15R/15, ≤12,000RPM in V12R/12)	CSC-T10032
	A481.5T 1.5-2.0ml x 48 fixed angle (≤13,000RPM in VARISPIN (L)15R/15, ≤12,000RPM in VARISPIN (L)12R/12)	CSC-T10040
	A1215T 15ml x 12 fixed angle rotor (Max 12,000RPM)	CSC-T10050
	A1215TC 15ml x 12 fixed angle rotor for conical tubes (≤ 13,000RPM in V(L)15R/15, ≤12,000RPM in V(L)12R/12)	CSC-T10061
	A650T 50ml x 6 fixed angle rotor (Max 12,000RPM)	CSC-T10070
	A650TC 50ml x 6 fixed angle rotor for conical tubes (≤ 13,000RPM in V(L)15R/15, ≤ 12,000RPM in V(L)12R/12)	CSC-T10081
	A850T 50ml x 8 fixed angle rotor (Max 12,000RPM)	CSC-T10090
	A685T 85ml x 6 fixed angle rotor (Max 12,000RPM)	CSC-T10100
	AS685TX 85ml x 6 fixed aerosol-tightness angle rotor with CRYSTE Axlock(Max 12,000RPM)	CSC-T10112
	A4250T 250ml x 4 fixed angle rotor (Max 8,000RPM)	CSC-T10120
Swing Rotor	S4250TE 250ml 4-wing swing rotor for rectangular/well plate buckets (Max 4,000RPM)	CSC-T20010
	S4250T 250ml 4-wing swing rotor for round buckets (≤ 4,500RPM in V(L)15R/12R, ≤ 4,000RPM in V(L)15/12)	CSC-T20020
	S4750T 750ml 4-wing swing rotor for round/well plate buckets (Max 4,000RPM)	CSC-T20030
	S4100T 100ml 4-wing swing rotor for round buckets (Max 5,000RPM in VARISPIN (L)15R/12R)	CSC-T20040

