



## VARISPIN 15

Multi purpose centrifuge with large capacity and a variety of rotor options

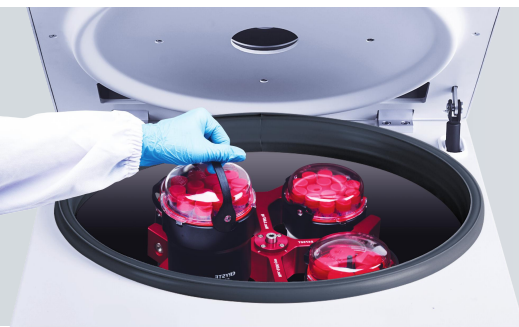


### STANDARD SPECIFICATION



Description	VARISPIN 15	
Max. RPM	15,000RPM(Angle Rotor)	4,000RPM(Swing Rotor)
Max. RCF	23,847 xg	3,667 xg
Max. Capacity	250ml x 4	750ml 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 15,000 rpm	
Display message on screen	RPM, RCF, Time, Door open/close, ACC, DEC, Rotor ID, Program, key lock	
Available Rotor Quantity	15	
Power Supply	AC 230V ± 10%, 50-60Hz, 1Phase	
Power Consumption	1.5KW	
Dimension(W x D x H)	546 x 684 x 379 mm (H:915mm with open lid)	
Weight (without rotor)	70kg	
Cat. No.	CS-C-T15-MB	
For 110V, 50-60Hz	CS-C-T15-MB_V1	

## MAIN FEATURE



### Biocontainment Accessory Package Option

It protects the safety of experimenters by isolating aerosols containing infectious factors such as pathogenic microorganisms. It is certified by TUV NORD in compliance with IEC61010-2-020:2016 Annex AA.



**GRYTE FLIP**  
Touch Controller
























Various Tube Available








Wide Range of Application

## AVAILABLE ANGLE ROTORS

Rotor	A480.2T		A301.5T			AS301.5TX <sup>1)</sup>			A481.5T		
											
	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 <b>Aerosol-tight</b> <b>AXLLOCK</b>			Fixed Angle Rotor 45° 48 x 1.5ml Radius(mm) : 94.8		
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	15,000	15,000	15,000	15,000	15,000	15,000	13,000	13,000	13,000
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	20,199	21,809	23,847	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	
Adaptor bore (mm)	18		17		17		29.5	
Max. height for use (mm)	117		129		122		120	
RPM	12,000		13,000		12,000		12,000	
Radius (mm)	97.1		100.9		94.3		99.9	
RCF	15,632		19,064		15,182		16,083	
					17,250		18,082	

Rotor	A850T			A685T			AS685TX <sup>2)</sup>			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 $\angle 25^\circ$ <b>Aerosol-tight</b> 6 x 85ml Radius(mm) : 99.8 <b>AXLOCK</b>			Fixed Angle rotor $\angle 25^\circ$ 4 x 250ml Radius(mm) : 128.3	
Tube	  			  			  			 	
Volume (ml)	15 Conical 50			15 Conical 50 Conical 50			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			4	
Adaptor bore (mm)	17 29.5			17 30 29			17 30 29			62.0	
Max. height for use (mm)	123 120			123 122 118			123 122 118			118 123	
RPM	12,000 12,000			12,000 12,000 12,000			12,000 12,000 12,000			12,000 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**

	S4750T	B750	BS750 <sup>4)</sup>						B500	BW750		
												
		<b>BEST</b>										<b>BEST</b>
		S750T-5-24	S750T-10-19	S750T-15-19	S750T-15C-14	S750T-50-7	S750T-50C-5	S750A-250				
												
	<b>BEST</b>			<b>BEST</b>		<b>BEST</b>						
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	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

**ORDER INFORMATION**

ITEM	DESCRIPTIONS	Cat. No.	
Main Body	VARISPIN 15 230V±10%, 50-60Hz, 1Phase, Eu Plug, 546x684x379mm, 70Kg	CSC-T15MB	
	VARISPIN 15 110V±10%, 50-60Hz, 1Phase, Eu Plug, 546x684x379mm, 70Kg	CSC-T15MB_V1	
A480.2T	0.2ml x 48 fixed angle rotor for PCR tubes (x 6 PCR strips) (Max 12,000RPM)	CSC-T10010	
A301.5T	1.5-2.0ml x 30 fixed angle rotor (≤ 15,000RPM in V(L)15R/15, ≤ 12,000RPM in V(L)12R/12)	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	
Angle Rotor	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)
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