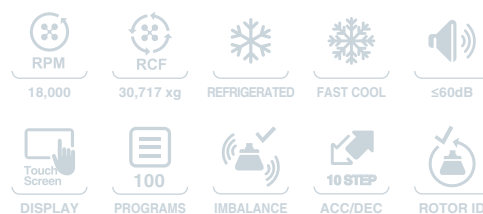




PURISPIN 18R[®] MICRO CENTRIFUGE

Refrigerated micro centrifuge with powerful g-force and high throughput



● ● ● STANDARD SPECIFICATION

MAX. RPM	18,000RPM(Angle Rotor)	13,000RPM(Swing Rotor)
MAX RCF	30,717 xg	16,343 xg
MAX. Capacity	50ml Conical x 6	2.0ml x 48
Accel / Decel phase	0 ~ 9 (10 Step)	
Set temp.	-10°C ~ +40°C (1°C increments)	
Refrigeration System	Non-CFC	
Noise Level	≤60dB	
Set time	99min 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 18,000 RPM	
Display message on screen	RPM, RCF, Time, Door open/close, Temp ACC, DEC, Rotor ID, Program, Comp. On/Off	
Available Rotor Quantity	9	
Power Supply	AC 230V ± 10%, 50-60Hz, 1Phase	
Power Consumption	1,500W	
Dimension (W x D x H)	382 x 669 x 314 mm(H:670mm with open lid)	
Weight (without rotor)	52Kg	

● ● ● MAIN FEATURE

● Ergonomic Design for Common Use

Modest working height of the device makes users to feel ease in loading and unloading samples

● 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

● Drainage

Excessive condensation can be treated by drainage at the bottom of chamber

● Various Rotors

- Most micro tubes can be used from PCR tubes to general micro tubes
- Up to 50ml conical tube can be loaded

● Refrigerator and Fast Cool Function

- Pre-cooling before use is available so that user can minimize the risk of degradation of thermal sensitive samples
- 4 °C at maximum speed is ensured

● 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 and Eco Shut-off setting

● Ideal Security

Unauthorized access is prohibited through password

● ● ● ORDER INFORMATION





	ITEM	DESCRIPTIONS	ORDER CODE
Main Body	PURISPIN 18R SET	PURISPIN 18R, refrigerated, with rotor A241.5M	P18R-SET
	PURISPIN 18R	PURISPIN 18R, refrigerated, without rotor, 230V/50~60Hz	P18-MB
Angle Rotor	A480.2M	0.2ml x 48 fixed angle rotor for PCR strips (Max 11,000RPM)	P18-AR1
	A241.5M	1.5/2.0ml x 24 fixed angle rotor(Max 18,000RPM)	P18-AR2
	AS241.5M	1.5/2.0ml x 24 fixed angle Aerosol-tight rotor(Max 18,000RPM)	P18-AR3
	AS241.5MX	1.5/2.0ml x 24 fixed angle Aerosol-tight with Axl lock rotor(Max 18,000RPM)	P18-AR4
	A301.5M	1.5/2.0ml x 30 fixed angle rotor(Max 14,000RPM)	P18-AR5
	A481.5M	1.5/2.0ml x 48 fixed angle rotor(Max 13,000RPM)	P18-AR6
	A181.5M	1.5/2.0ml x 18 fixed angle rotor(Max 14,000RPM)	P18-AR7
	A181.5MH	1.5/2.0ml x 18 fixed angle rotor(Max 15,000RPM)	P18-AR8
	A125M	5ml x 12 fixed angle rotor(Max 14,000RPM)	P18-AR9
	A650M	50ml x 6 fixed angle rotor(Max 8,000RPM)	P18-AR10
Swing Rotor	S61.5M	6-wing swing rotor with 1.5/2.0ml x 4 rectangular buckets(Max 13,000RPM)	P18-AR11
	S2M-MTP	2 - wing micro plate swing rotor (Max 5,000RPM)	P18-AR12

●●● 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 $\angle 45^\circ$ 24 x 1.5ml Radius(mm) : 84.8			Fixed Angle Rotor $\angle 45^\circ$ 24 x 1.5ml Radius(mm) : 84.8		
Item	A480.2M		A241.5M			AS241.5M		
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	24	24	24	24	24	24
Adaptor bore (mm)	6.5	6.5	6.5	8	11	6.5	8	11
Max. height for use (mm)	-	-	44	51	61	-	-	-
RPM	11,000	11,000	18,000	18,000	18,000	-	-	-
Radius (mm)	83.5	83.5	70.3	76.7	84.8	-	-	-
RCF	11,296	11,296	24,465	27,783	30,717	-	-	-


Rotor								
	Fixed Angle Rotor $\angle 45^\circ$ 24 x 1.5ml Radius(mm) : 84.8			Fixed Angle rotor $\angle 45^\circ$ 30 x 1.5ml Radius(mm) : 94.8			Fixed Angle rotor $\angle 45^\circ$ 12 x 5ml Radius(mm) : 92.9mm	
Item	AS241.5MX			A301.5M			A125M	
Tube								
Volume (ml)	0.2	0.5	1.5 / 2.0	0.2	0.5	1.5 / 2.0	5	
Adaptor / tube rack								
Item	F1.5A-0.2	F1.5A-0.5		F1.5A-0.2	F1.5A-0.5			
Number per rack / rotor	24	24	24	30	30	30	12	
Adaptor bore (mm)	6.5	8	11	6.5	8	11	17	
Max. height for use (mm)	-	-	-	44	52	61	67	
RPM	-	-	-	14,000	14,000	14,000	14,000	
Radius (mm)	-	-	-	80.3	86.7	94.8	92.9	
RCF	-	-	-	17,596	18,998	20,773	20,357	

••● AVAILABLE ANGLE

Rotor	 <p>Fixed Angle rotor $\angle 45^\circ$ 18 x 1.5ml Radius(mm) : 72.8mm</p>			 <p>Fixed Angle Rotor $\angle 45^\circ$ 18 x 1.5ml Radius(mm) : 74.8</p>			 <p>Fixed Angle rotor $\angle 30^\circ$ 6 x 50ml Radius(mm) : 108.3</p>		
Item	A181.5M			A181.5MH			A650M		
Tube									
Volume (ml)	0.2	0.5	1.5 / 2.0	0.2	0.5	1.5 / 2.0	15 Conical	15	50 Conical
Adaptor / tube rack									
Item	F1.5A-0.2	F1.5A-0.5		F1.5A-0.2	F1.5A-0.5		S50A-15C	S50A-15	S50A-50C
Number per rack / rotor	18	18	18	18	18	18	6	6	6
Adaptor bore (mm)	6.5	8	11	6.5	8	11	17.0	18	30
Max. height for use (mm)	44	52	61	44	52	63	120	119	119
RPM	14,000	14,000	14,000	15,000	15,000	15,000	8,000	8,000	8,000
Radius (mm)	80.3	86.7	94.8	60.4	66.3	74.8	92.2	98.9	100.5
RCF	17,596	18,998	20,773	15,194	16,678	18,816	6,597	7,076	7,191

Rotor	 <p>Fixed Angle Rotor $\angle 45^\circ$ 48 x 1.5ml Radius(mm) : 94.8</p>		
Item	A481.5M		
Tube			
Volume (ml)	0.2	0.5	1.5 / 2.0
Adaptor / tube rack			
Item	F1.5A-0.2	F1.5A-0.5	
Number per rack / rotor	48	48	48
Adaptor bore (mm)	6.5	8	11
Max. height for use (mm)	In 51 Out 44	In 62 Out 54	In 70 Out 61
RPM	13,000	13,000	13,000
Radius (mm)	In 70.3 Out 80.3	In 76.7 Out 86.7	In 84.8 Out 94.8
RCF	In 13,283 Out 15,172	In 14,492 Out 16,381	In 16,022 Out 17,912

••• AVAILABLE SWING ROTORS

Rotor	 <p>Swing Out Rotor 24 x 1.5ml Radius(mm) : 86.5</p>		
Item	S61.5M		
Buket			
Item	B1.5		
Tube			
Volume (ml)	0.2	0.5	1.5 / 2.0
Adaptor / tube rack			
Item	F1.5A-0.2	F1.5A-0.5	
Number per rack / rotor	4/24	4/24	4/24
Adaptor bore (mm)	6.5	8	11
Max. height for use (mm)	29	36	47
RPM	13,000	13,000	13,000
Radius (mm)	67	75	86.5
RCF	12,659	14,171	16,343

CRYSTE high speed / large capacity model gives the **convenience** of operating a laboratory centrifuge through intuitive **CRYSTE FLIP**



- Easy control from **Finger-tip use**
- Fast **'SAVE & LOAD'** for a variety of programs
- Rotor information in display & **Automatic** identification